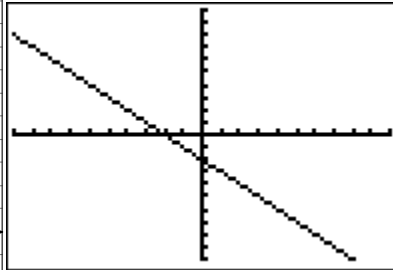
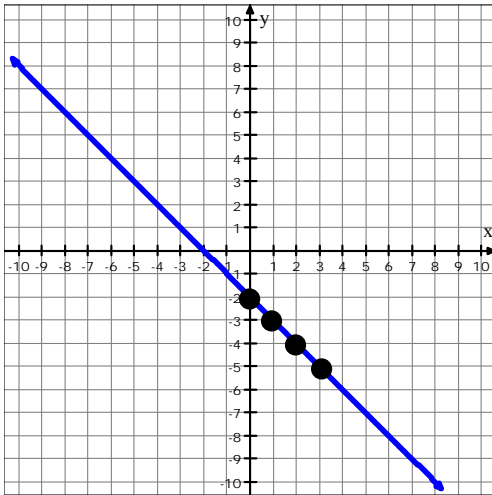


1

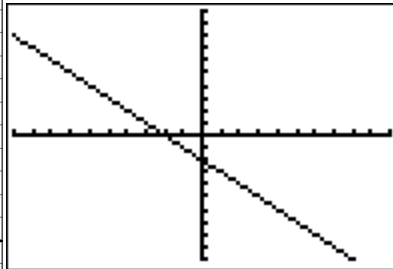
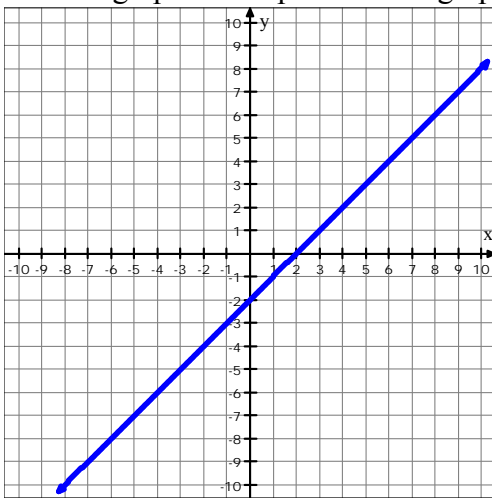
A Which graph best represents the graph of $y = -x - 2$?



X	Y1	
0	1	
-2	0	
-1	1	
0	1	
1	1	
2	1	
3	1	
4	1	
5	1	
6	1	
7	1	
8	1	
9	1	
10	1	
X = -3		

Correct! The y -intercept is -2 and the slope is -1 .
The calculator confirms that the points are on the graph.

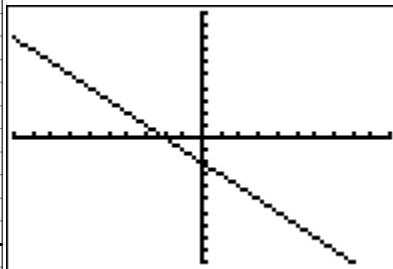
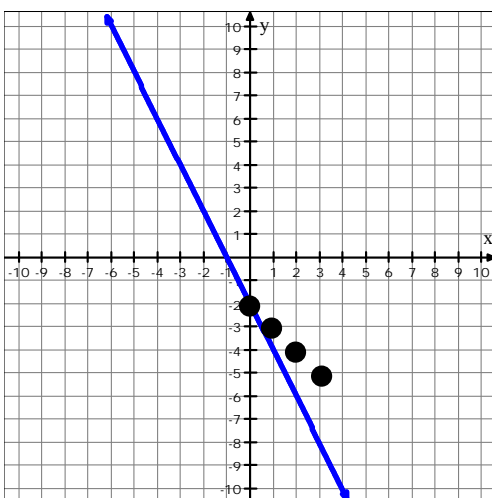
B Which graph best represents the graph of $y = -x - 2$?



X	Y1	
0	1	
-2	0	
-1	1	
0	1	
1	1	
2	1	
3	1	
4	1	
5	1	
6	1	
7	1	
8	1	
9	1	
10	1	
X = -3		

Incorrect, the y -intercept is -2 but the slope should be -1 .
The line should be decreasing.

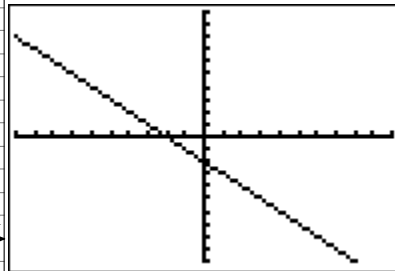
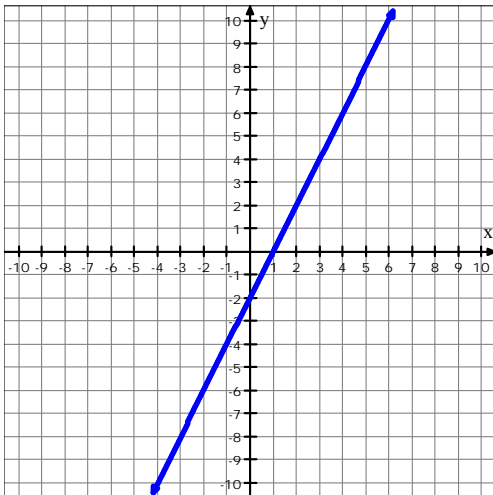
C Which graph best represents the graph of $y = -x - 2$?



X	Y1	
0	1	
-2	0	
-1	1	
0	1	
1	1	
2	1	
3	1	
4	1	
5	1	
6	1	
7	1	
8	1	
9	1	
10	1	
X = -3		

Incorrect, the graph has the correct y -intercept and is decreasing but the points $(1, -3)$, $(2, -4)$, and $(3, -5)$ are not on the graph given.

D Which graph best represents the graph of $y = -x - 2$?

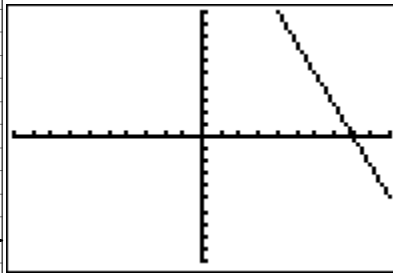
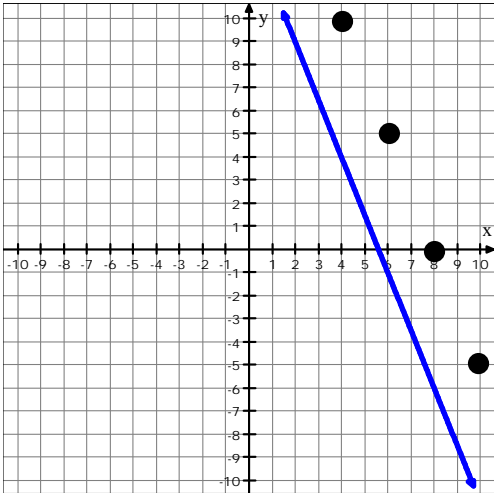


X	Y ₁
3	1
2	0
1	-1
0	-2
-1	-3
-2	-4
-3	-5

X = -3

Incorrect, the y-intercept is -2 but the slope should be -1 .
The line should be decreasing.

A Which graph best represents the graph of $y = 20 - 2.50x$?

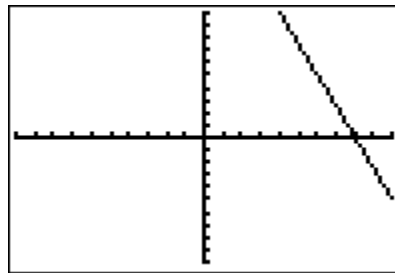
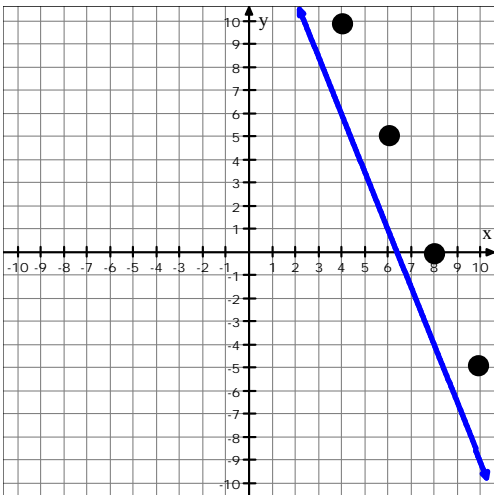


X	Y1	
10	7.5	
7.5	2.5	
5	0	
2.5	-2.5	
0	-5	

X=10

Incorrect, it'll be best to check points on the graph. According to the calculator the points (4, 10), (6, 5), (8, 0) and (10, -5) should be on the graph.

B Which graph best represents the graph of $y = 20 - 2.50x$?

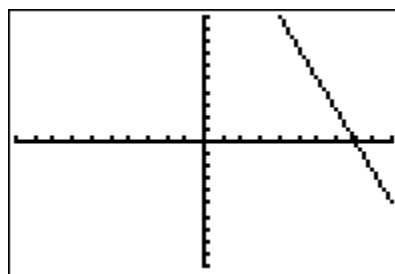
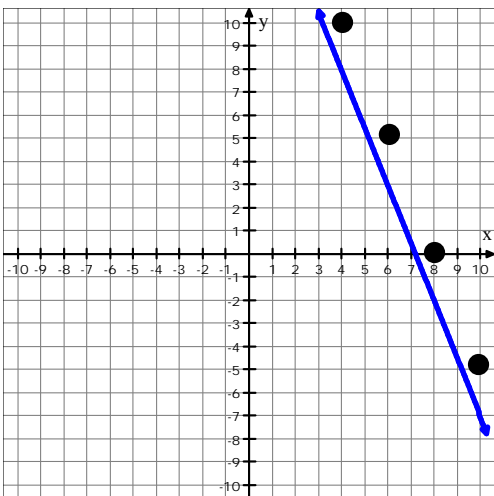


X	Y1	
10	7.5	
7.5	2.5	
5	0	
2.5	-2.5	
0	-5	

X=10

Incorrect, it'll be best to check points on the graph. According to the calculator the points (4, 10), (6, 5), (8, 0) and (10, -5) should be on the graph.

C Which graph best represents the graph of $y = 20 - 2.50x$?

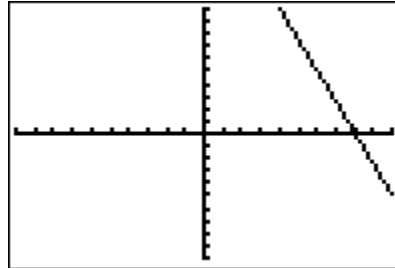
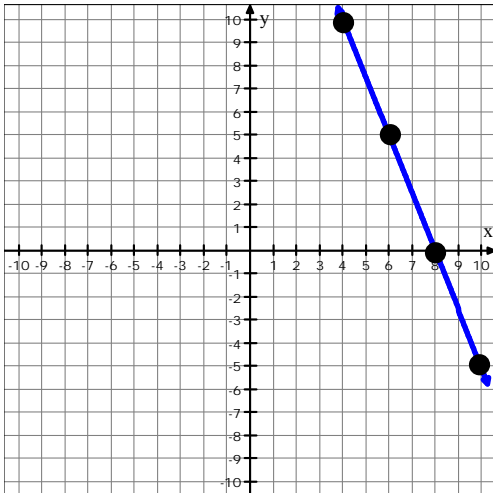


X	Y1	
10	7.5	
7.5	2.5	
5	0	
2.5	-2.5	
0	-5	

X=10

Incorrect, it'll be best to check points on the graph. According to the calculator the points (4, 10), (6, 5), (8, 0) and (10, -5) should be on the graph.

D Which graph best represents the graph of $y = 20 - 2.50x$?



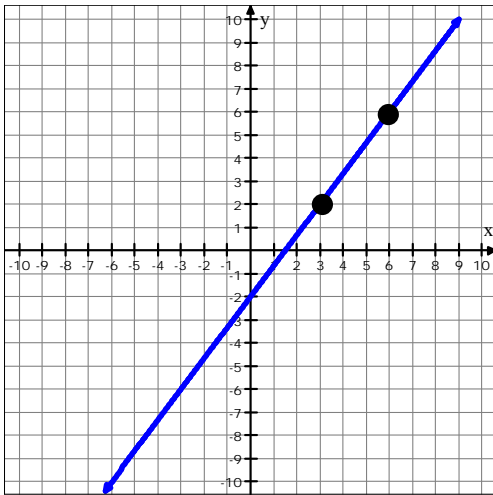
X	Y1
10	10
7.5	7.5
5	5
2.5	2.5
0	0
-2.5	-2.5
-5	-5

X=10

Correct! This is the only graph with the points (4, 10), (6, 5), (8, 0) and (10, -5).

3

A Which graph best represents the graph of $-3x + 4y = -8$?

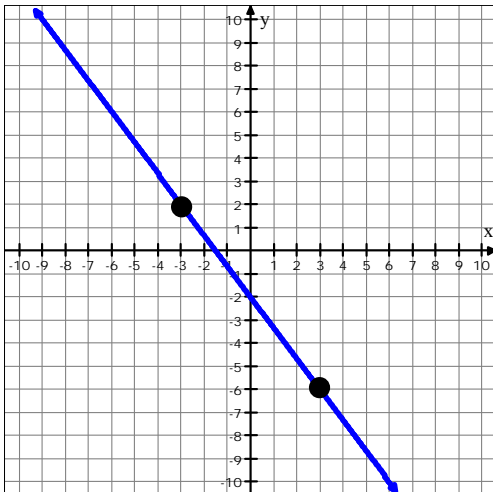


Incorrect, something went wrong.
Did you double check your points?
(3, 2) and (6, 6) are on this graph. But ...

$-3(3) + 4(2)$	-1
$-3(6) + 4(6)$	6

If A was the correct choice, all answers would equal -8 .

B Which graph best represents the graph of $-3x + 4y = -8$?

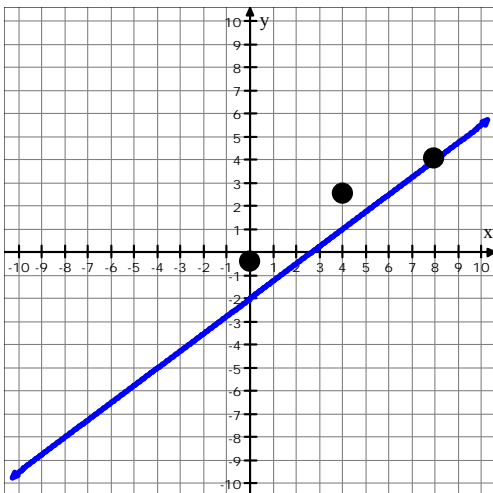


Incorrect, something went wrong.
Did you double check your points?
(-3, 2) and (3, -6) are on this graph. But ...

$-3(-3) + 4(2)$	17
$-3(3) + 4(-6)$	-33

If B was the correct choice, all answers would equal -8 .

C Which graph best represents the graph of $-3x + 4y = -8$?



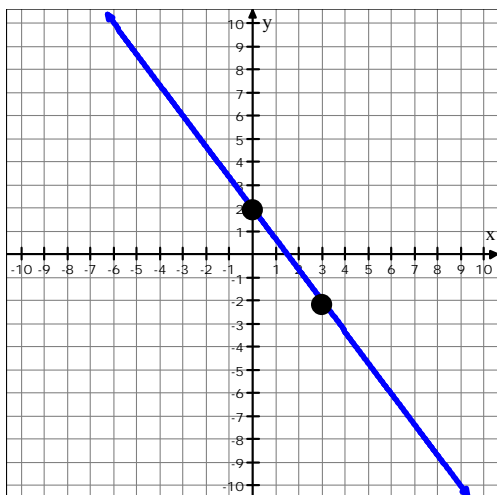
Correct!

$y = \frac{3}{4}x - 2$: y-intercept is -2 and slope of $\frac{3}{4}$.

Double checking the points (0, -2), (4, 1), and (8, 4):

$-3(0) + 4(-2)$	-8
$-3(4) + 4(1)$	-8
$-3(8) + 4(4)$	-8

D Which graph best represents the graph of $-3x + 4y = -8$?



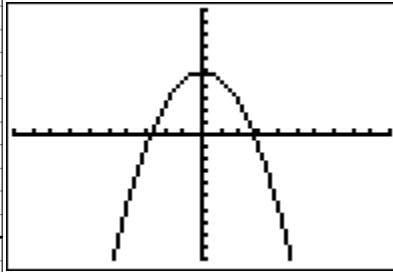
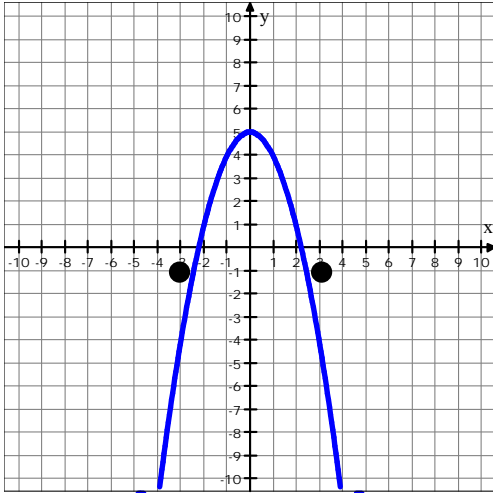
Incorrect, something went wrong.
Did you double check your points?
(0, 2) and (3, -2) are on this graph. But ...

$-3(0) + 4(2)$	8
$-3(3) + 4(-2)$	-17

If **D** was the correct choice, all answers would equal -8 .

4

A Which graph best represents the graph of $y = 5 - \frac{2}{3}x^2$?

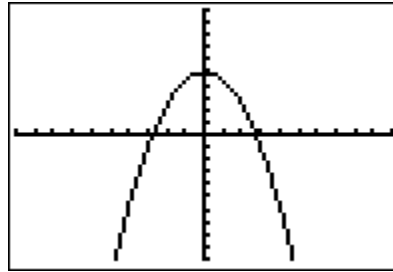
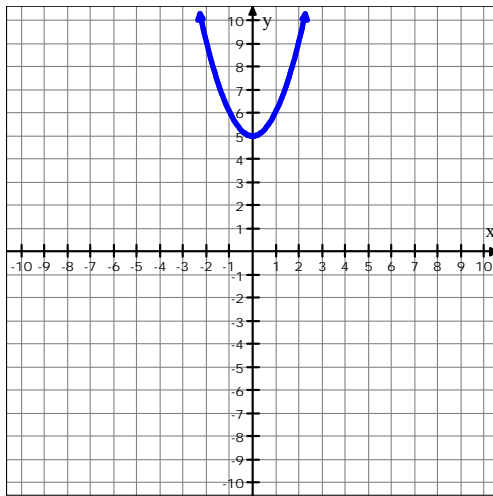


X	Y1
-3	-1
-2	2.3333
-1	4.3333
0	5
1	4.3333
2	2.3333
3	-1

X = -3

Incorrect, this graph is close but $(-3, -1)$ and $(3, -1)$ are not on the graph.

B Which graph best represents the graph of $y = 5 - \frac{2}{3}x^2$?

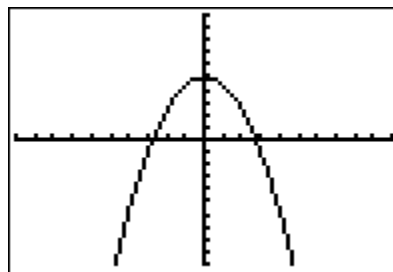
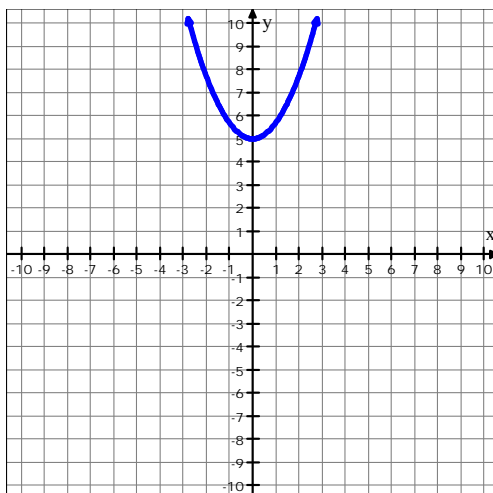


X	Y1
-3	-1
-2	2.3333
-1	4.3333
0	5
1	4.3333
2	2.3333
3	-1

X = -3

Incorrect, the graph should open downward.

C Which graph best represents the graph of $y = 5 - \frac{2}{3}x^2$?

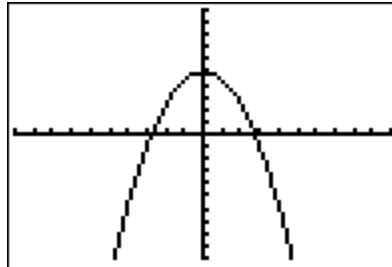
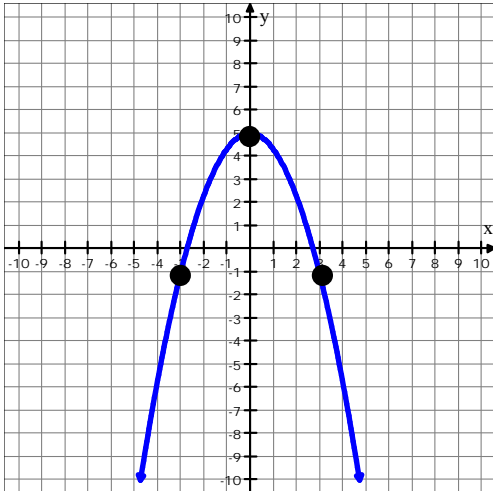


X	Y1
-3	-1
-2	2.3333
-1	4.3333
0	5
1	4.3333
2	2.3333
3	-1

X = -3

Incorrect, the graph should open downward.

D Which graph best represents the graph of $y = 5 - \frac{2}{3}x^2$?



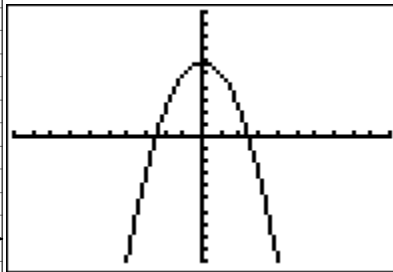
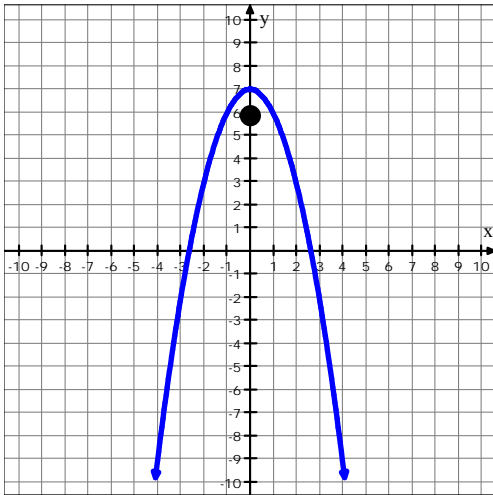
X	Y1
-3	-1
-2	2.3333
-1	4.3333
0	5
1	4.3333
2	2.3333
3	-1

X = -3

Correct! Matching the points in the table makes this a question that is sure to be correct.

5

A Which graph best represents the graph of $f(x) = -x^2 + 6$?

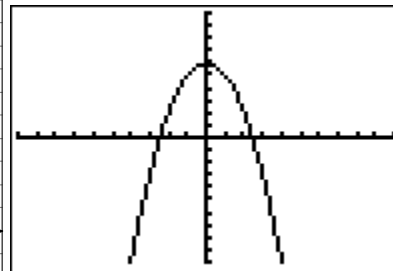
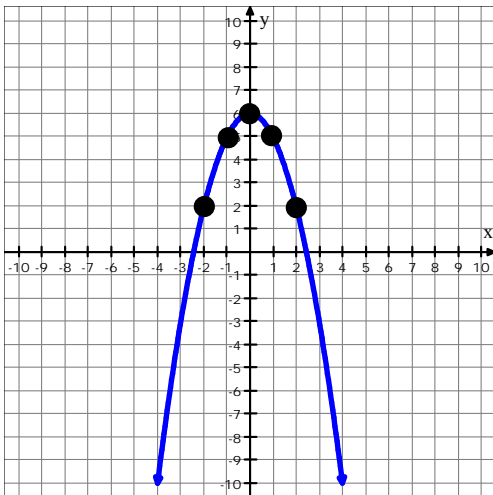


X	Y ₁
3	3
2	2
1	1
0	0
-1	1
-2	2
-3	3

X = -3

Incorrect. This graph is close but $(0, 6)$ is not on the graph.

B Which graph best represents the graph of $f(x) = -x^2 + 6$?

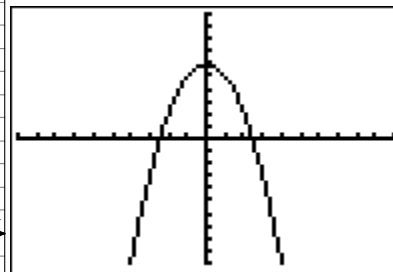
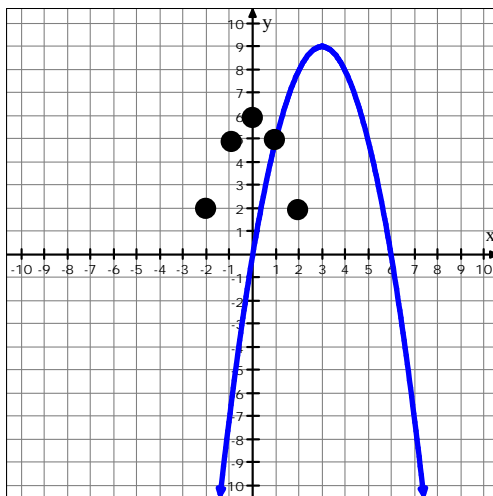


X	Y ₁
3	3
2	2
1	1
0	0
-1	1
-2	2
-3	3

X = -3

Correct! Matching the points in the table makes this a question that is sure to be correct.

C Which graph best represents the graph of $f(x) = -x^2 + 6$?

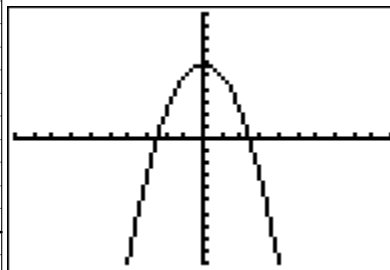
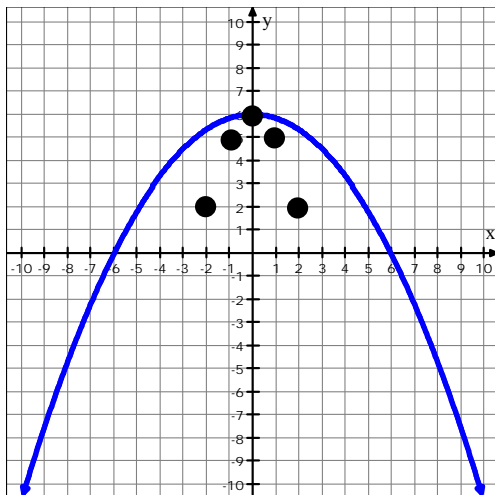


X	Y ₁
3	3
2	2
1	1
0	0
-1	1
-2	2
-3	3

X = -3

Incorrect. The points $(-2, 2)$, $(-1, 5)$, $(0, 6)$, $(1, 5)$, and $(2, 2)$ are not on the graph.

D Which graph best represents the graph of $f(x) = -x^2 + 6$?



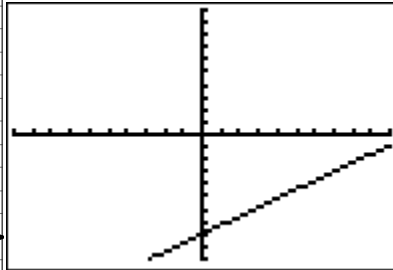
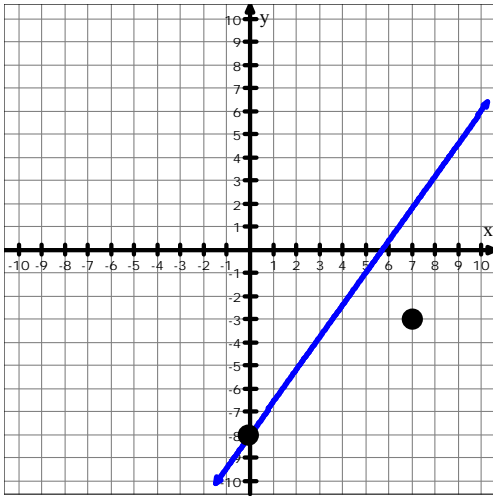
X	Y ₁
-3	3
-2	3
-1	3
0	3
1	3
2	3
3	3

X = -3

Incorrect. The points $(-2, 2)$, $(-1, 5)$, $(0, 6)$, $(1, 5)$, and $(2, 2)$ are not on the graph.

1

A Which graph best represents the graph of $y = \frac{5}{7}x - 8$?

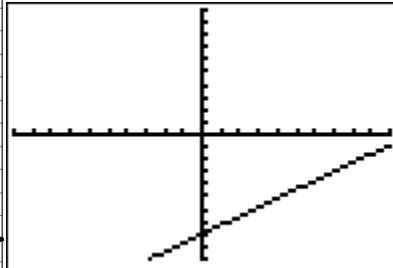
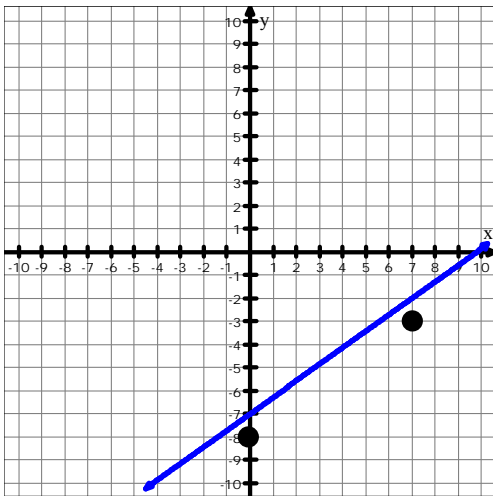


X	Y1
0	-8
1	-7.286
2	-6.571
3	-5.857
4	-5.143
5	-4.429
6	-3.714
7	-3

X=1

Incorrect, the y-intercept is correct but the slope of this graph is not $\frac{5}{7}$. Also, the points (0, -8) AND (7, -3) should be on this graph.

B Which graph best represents the graph of $y = \frac{5}{7}x - 8$?

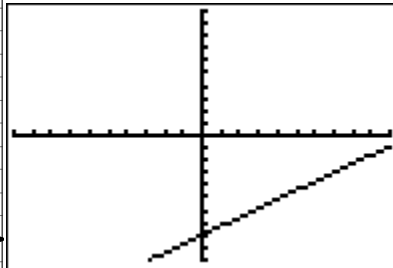
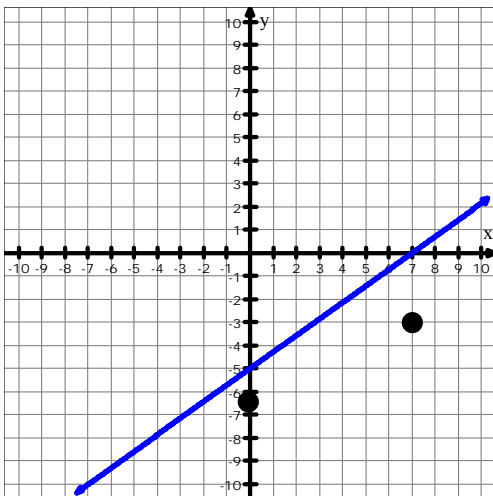


X	Y1
0	-8
1	-7.286
2	-6.571
3	-5.857
4	-5.143
5	-4.429
6	-3.714
7	-3

X=1

Incorrect, the y-intercept is incorrect. Also, the points (0, -8) and (7, -3) should be on this graph.

C Which graph best represents the graph of $y = \frac{5}{7}x - 8$?

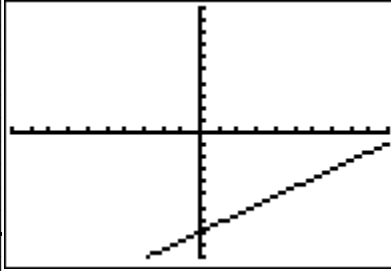
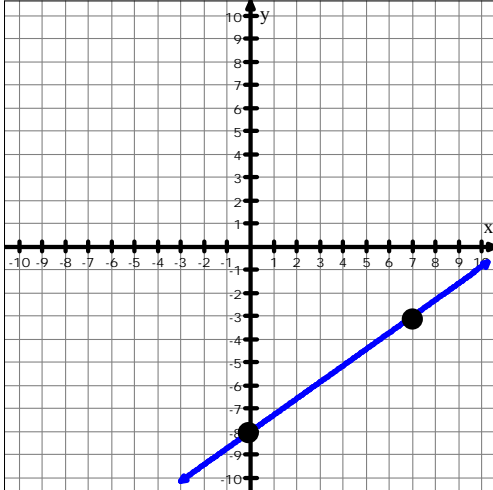


X	Y1
0	-8
1	-7.286
2	-6.571
3	-5.857
4	-5.143
5	-4.429
6	-3.714
7	-3

X=1

Incorrect, the y-intercept is incorrect. Also, the points (0, -8) and (7, -3) should be on this graph.

D Which graph best represents the graph of $y = \frac{5}{7}x - 8$?



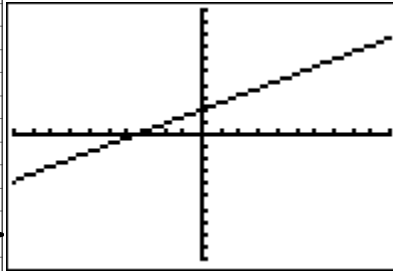
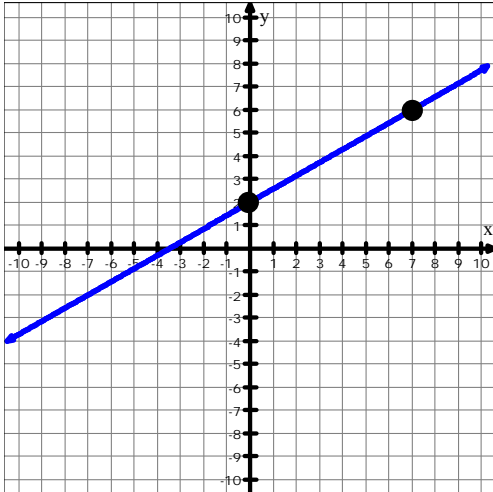
X	Y1
0	-8
1	-7.286
2	-6.571
3	-5.857
4	-5.143
5	-4.429
6	-3.714
7	-3

X=1

Correct! The y-intercept is -8 and the graph moves up 5 and right 7. Also, the calculator tells you the points $(0, -8)$ and $(7, -3)$ should be on this graph. It's always smart to double check.

2

A Which graph best represents the graph of $y = \frac{4}{7}x + 2$?

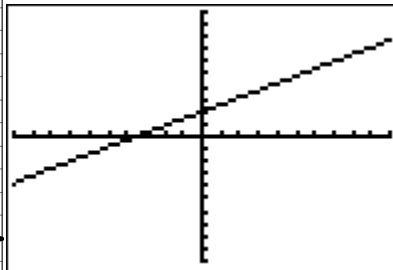
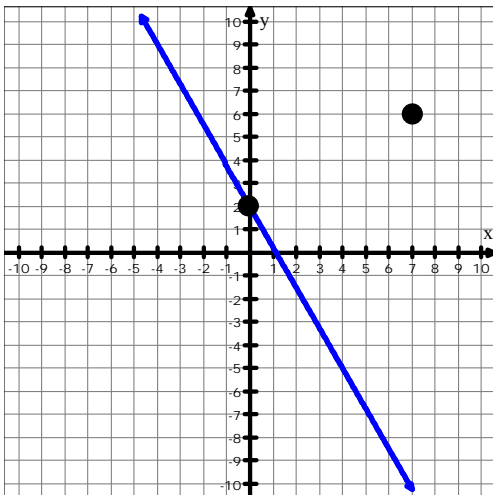


X	Y1
0	2
1	2.5714
2	3.1429
3	3.7143
4	4.2857
5	4.8571
6	5.4286
7	6

X=7

Correct! The y-intercept is 2 and the graph moves up 4 and right 7. Also, the calculator tells you the points (0, 2) and (7, 6) should be on this graph. It's always smart to double check.

B Which graph best represents the graph of $y = \frac{4}{7}x + 2$?

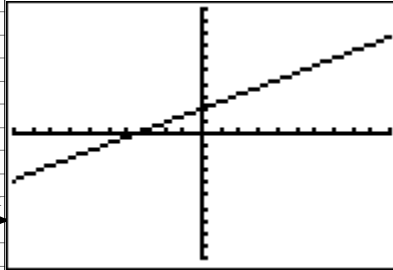
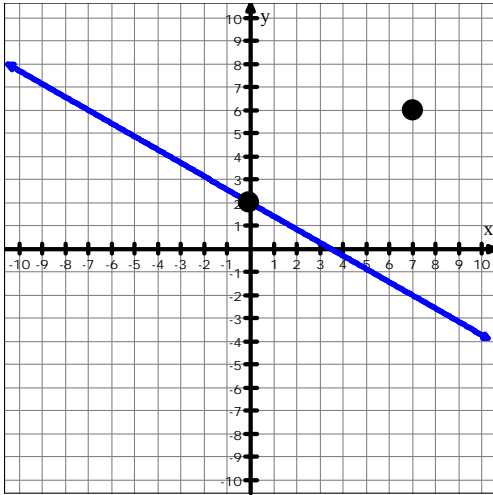


X	Y1
0	2
1	2.5714
2	3.1429
3	3.7143
4	4.2857
5	4.8571
6	5.4286
7	6

X=7

Incorrect, the y-intercept is correct but the slope of this graph is not $\frac{4}{7}$ (this line is decreasing). Also, the points (0, 2) AND (7, 6) should be on this graph.

C Which graph best represents the graph of $y = \frac{4}{7}x + 2$?

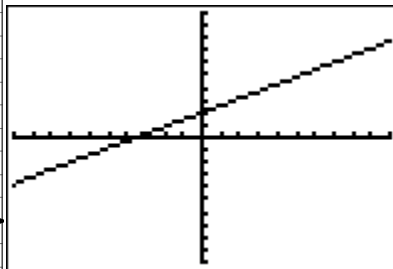
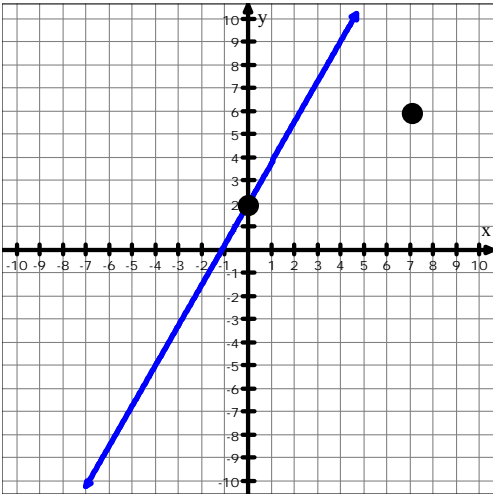


X	Y1	
0	2	
1	2.5714	
2	3.1429	
3	3.7143	
4	4.2857	
5	4.8571	
6	5.4286	
7	6	

X=7

Incorrect, the y-intercept is correct but the slope of this graph is not $\frac{4}{7}$ (this line is decreasing). Also, the points (0, 2) AND (7, 6) should be on this graph.

D Which graph best represents the graph of $y = \frac{4}{7}x + 2$?



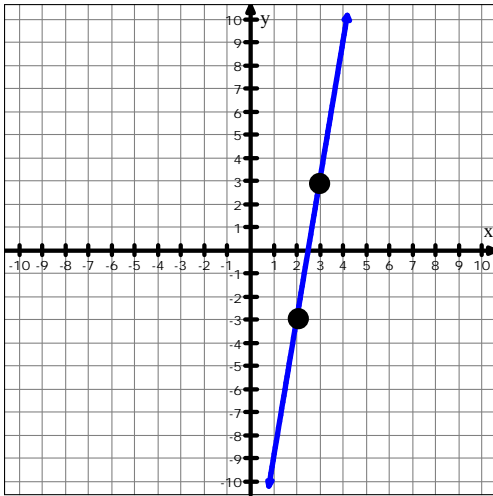
X	Y1	
0	2	
1	2.5714	
2	3.1429	
3	3.7143	
4	4.2857	
5	4.8571	
6	5.4286	
7	6	

X=7

Incorrect, the y-intercept is correct but the slope of this graph is not $\frac{4}{7}$ (It's $\frac{7}{4}$). Also, the points (0, 2) AND (7, 6) should be on this graph.

3

A Which graph best represents the graph of $6x + 5y = -15$?

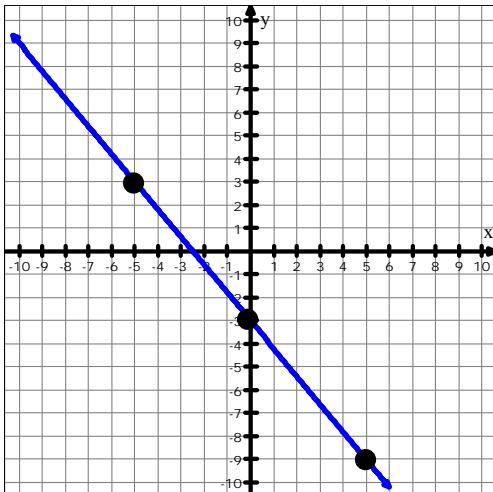


Incorrect, something went wrong.
Did you double check your points?
(2, -3) and (3, 3) are on this graph. But ...

$6(2) + 5(-3)$	-3
$6(3) + 5(3)$	33

If A was the correct choice, all answers would equal **-15**.

B Which graph best represents the graph of $6x + 5y = -15$?



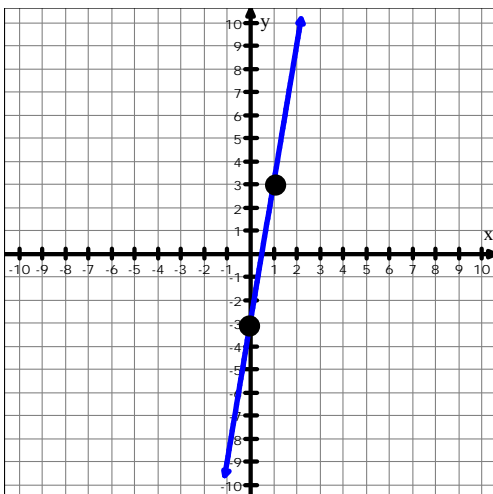
Correct!

$y = -\frac{6}{5}x - 3$: y-intercept is -3 and slope of $-\frac{6}{5}$

Double checking the points (-5, 3), (0, -3), and (5, -9):

$6(-5) + 5(3)$	-15
$6(0) + 5(-3)$	-15
$6(5) + 5(-9)$	-15

C Which graph best represents the graph of $6x + 5y = -15$?

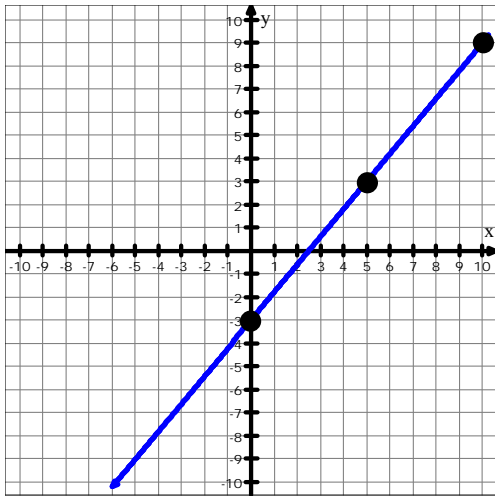


Incorrect, something went wrong.
Did you double check your points?
(0, -3) and (1, 3) are on this graph. But ...

$6(0) + 5(-3)$	-15
$6(1) + 5(3)$	21

If C was the correct choice, **both** answers would equal **-15**.

D Which graph best represents the graph of $6x + 5y = -15$?



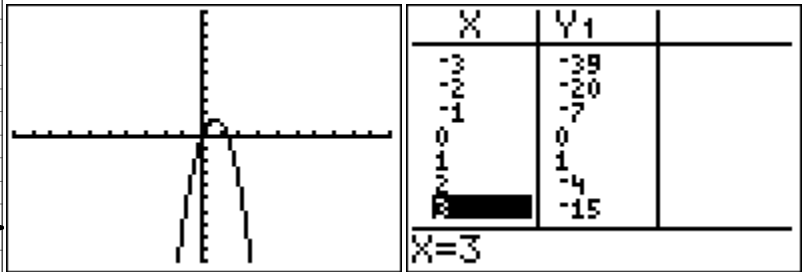
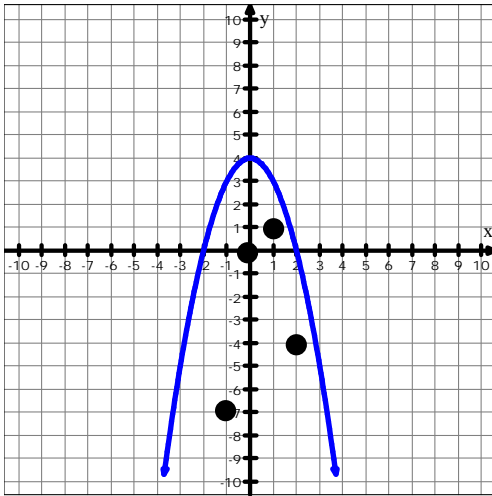
Incorrect, something went wrong.
Did you double check your points?
(0, -3), (5, 3), and (10, 8) are on this graph. But ...

$6(0) + 5(-3)$	-15
$6(5) + 5(3)$	45
$6(10) + 5(8)$	100

If D was the correct choice ALL answers would equal **-15**.

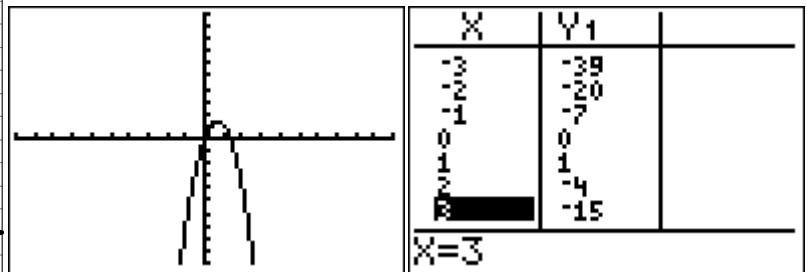
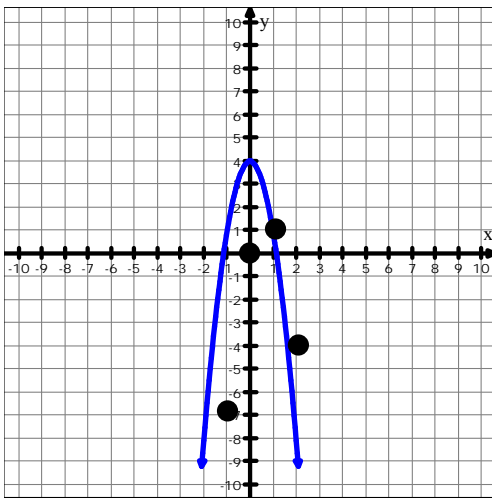
4

A Which graph best represents the graph of $y = -3x^2 + 4x$?



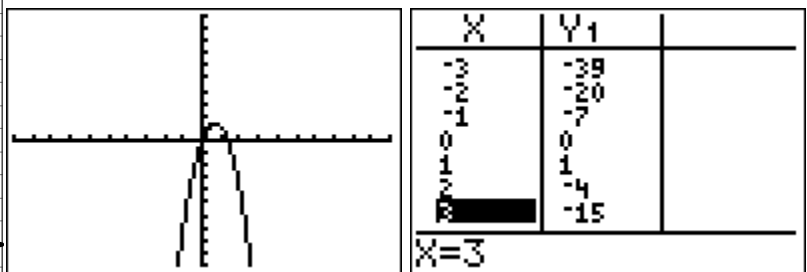
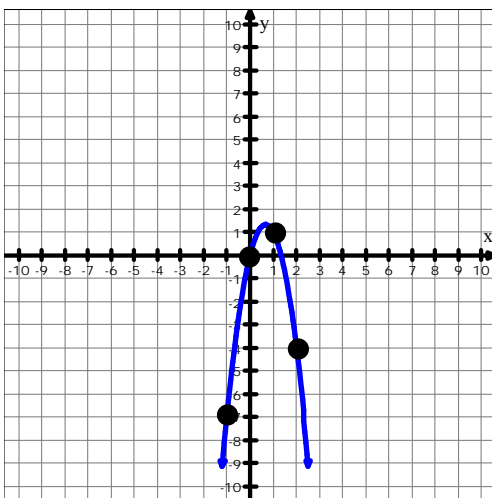
Incorrect, the points are not matching the graph.

B Which graph best represents the graph of $y = -3x^2 + 4x$?



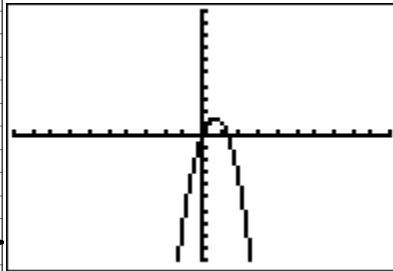
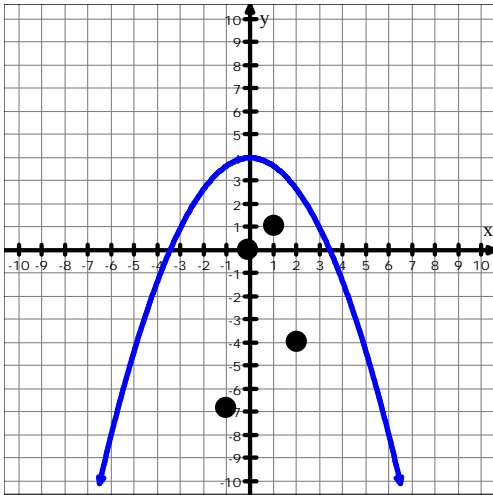
Incorrect, the points are not matching the graph.

C Which graph best represents the graph of $y = -3x^2 + 4x$?



Correct! The points on the graph match the calculator.

D Which graph best represents the graph of $y = -3x^2 + 4x$?



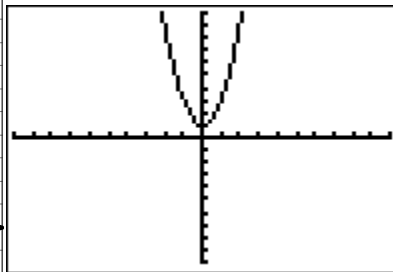
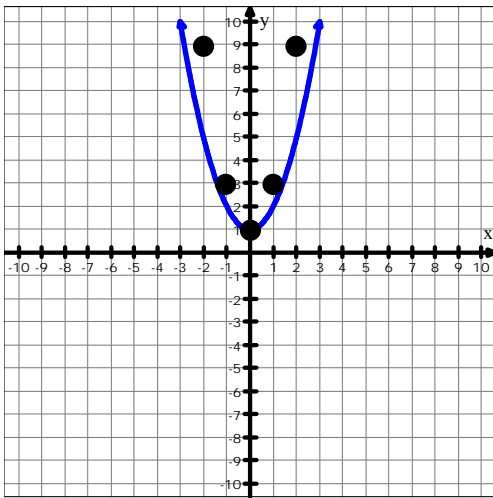
X	Y1	
-3	-39	
-2	-20	
-1	-7	
0	0	
1	1	
2	-4	
3	-15	

X=3

Incorrect, the points are not matching the graph.

5

A Which graph best represents the graph of $y = 2x^2 + 1$?

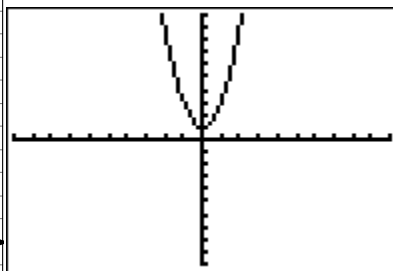
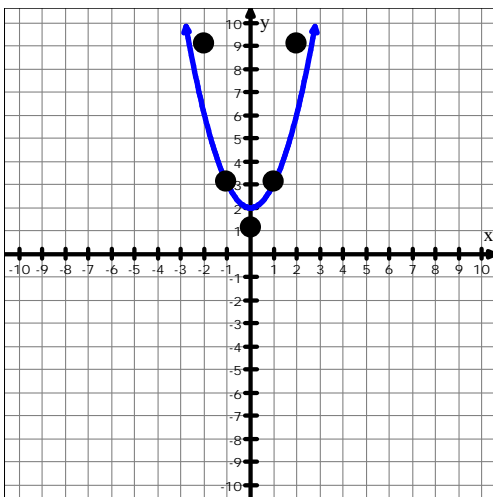


X	Y ₁	
3	19	
2	9	
1	3	
0	1	
-1	3	
-2	9	
-3	19	

X = -3

Incorrect, the points are not matching the graph.

B Which graph best represents the graph of $y = 2x^2 + 1$?

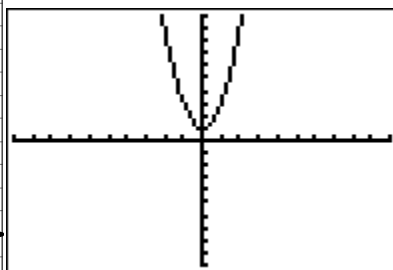
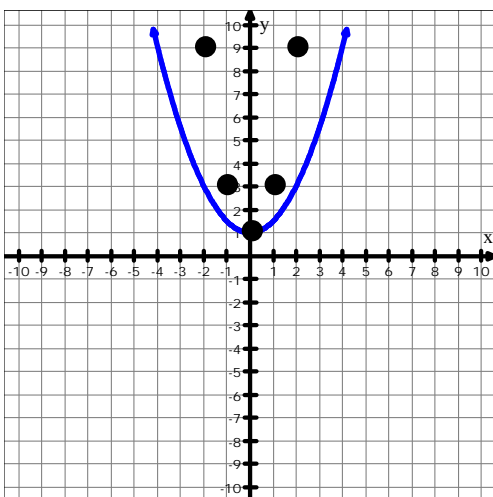


X	Y ₁	
3	19	
2	9	
1	3	
0	1	
-1	3	
-2	9	
-3	19	

X = -3

Incorrect, the points are not matching the graph.

C Which graph best represents the graph of $y = 2x^2 + 1$?

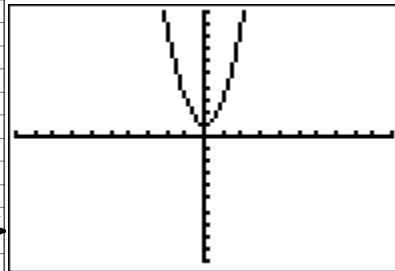
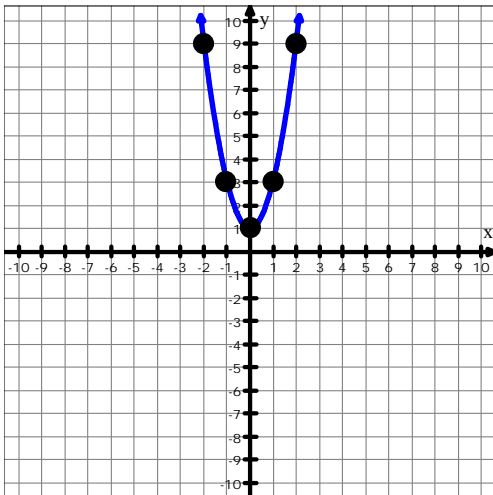


X	Y ₁	
3	19	
2	9	
1	3	
0	1	
-1	3	
-2	9	
-3	19	

X = -3

Incorrect, the points are not matching the graph.

D Which graph best represents the graph of $y = 2x^2 + 1$?



X	Y1	
-3	19	
-2	9	
-1	3	
0	1	
1	3	
2	9	
3	19	

X = -3

Correct! The points on the graph match the calculator.