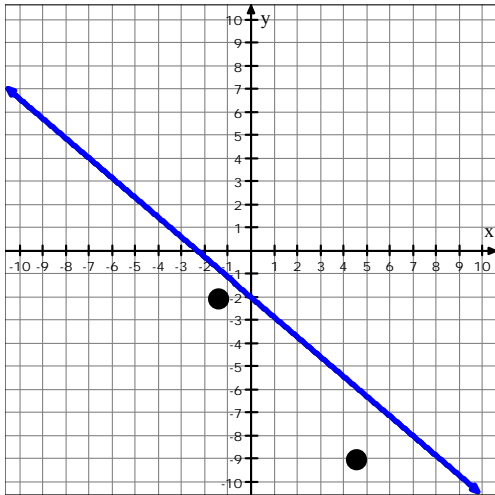**A**

C

A is <u>incorrect</u> for **two** reasons.

1) Using $y = -\dfrac{7}{6}x - 2$, the TABLE shows that the points (0, –2) and (6, –9) ought to be on the graph.
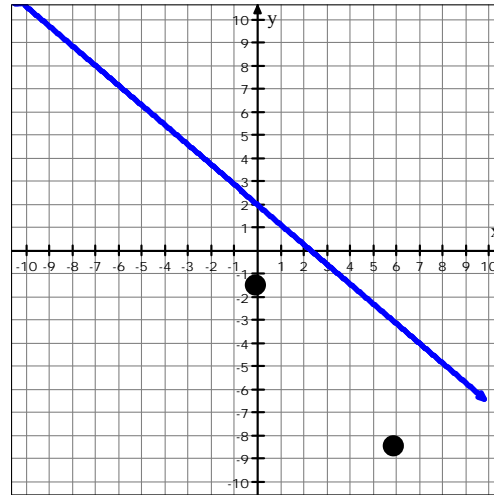
X	Y₁
0	-2
1	-3.167
2	-4.333
3	-5.5
4	-6.667
5	-7.833
6	-9

X=0

2) Incorrect, points given on the graph do not satisfy the equation $7x + 6y = -12$. (–7, 4) and (7, –8) are on the graph.

```
7(-7)+6(4)
                    -25 ≠−12 ✖
7(7)+6(-8)
                      1 ≠−12 ✖
```

C is <u>incorrect</u> for **three** reasons.

1) Using $y = -\dfrac{7}{6}x - 2$, the y – intercept is wrong.

2) Using $y = -\dfrac{7}{6}x - 2$, the TABLE shows that the points (4, –2) and (9, –6) ought to be on the graph.
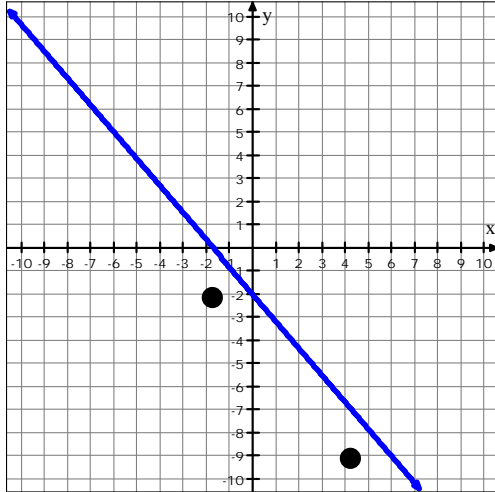
X	Y₁
0	-2
1	-3.167
2	-4.333
3	-5.5
4	-6.667
5	-7.833
6	-9

X=0

3) Points given on the graph do not satisfy the equation $7x + 6y = -12$. (0, 2) and (7, –4) are on the graph.

```
7(0)+6(2)
                    12 ≠−12 ✖
7(7)+6(-4)
                    25 ≠−12 ✖
```

B

Correct!

$7x + 6y = -12$ is equivalent to $y = -\dfrac{7}{6}x - 2$.

1) Using $y = -\dfrac{7}{6}x - 2$, the TABLE shows that the points (0, –2) and (6, –9) ought to be on the graph.   They Are!
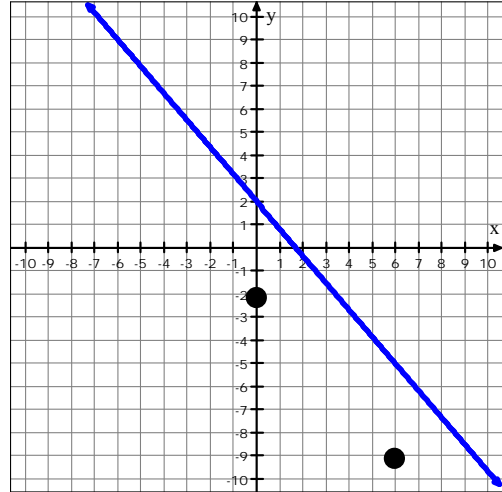

2) Points given on the graph satisfy the equation $7x + 6y = -12$.
(–6, 5), (0, –2) and (6, –9) are on the graph.

```
7(-6)+6(5)
              -12 =-12✔
7(0)+6(-2)
              -12
7(6)+6(-9)        =-12✔
              -12
                  =-12✔
```

D

$7x + 6y = -12$ is equivalent to $y = -\dfrac{7}{6}x - 2$.

D is incorrect for three reasons.

1) Using $y = -\dfrac{7}{6}x - 2$, the y – intercept is wrong.

2) Using $y = -\dfrac{7}{6}x - 2$, the TABLE shows that the points (4, –2) and (9, –6) ought to be on the graph. They are NOT.

.

3) Points given on the graph do not satisfy the equation $7x + 6y = -12$. (0, 2) and (6, –5) are on the graph.

```
7(0)+6(2)
              12 ≠-12 ✖
7(6)+6(-5)
              12 ≠-12 ✖
```