

Polynomials

Make a Match Cards

	Make A Match Group 1		Make A Match Group 2
1	$2y + 4x > 16$	A	$y = 2x - 5$
2	$3x - 4y \leq 12$	B	$y = \frac{1}{5}x - 4$

3	$x - 4 > 2y$	C	$3x^2 - 18x + 24 = 0$
4	$-2x + y = -5$	D	$y > -2x + 8$
5	$y = \frac{1}{2}x + 4$	E	$y < \frac{1}{2}x - 2$

6	$\frac{1}{2}y = 3x - 3$	F	$3x^2 - 13x - 10 = 0$
7	$x - 5y = 20$	G	$15x^2 - x - 2$ units squared
8	$y + 1 = 3(x - 2)$	H	$y = 6x - 6$

9	$y - 3 = 2(x + 2)$	I	$x = -1$
10	$x(3x - 13) = 10$	J	$y \geq \frac{3}{4}x - 3$
11	$3(x - 2)(x - 4) = 0$	K	$y = 2x + 7$

12	<p>After a ball is dropped, the rebound height of each bounce decreases. The equation $y = 5(0.8)^x$ shows the relationship between x, the number of bounces, and y, the height of the bounce, for a certain ball. What is the approximate height of the third bounce of this ball to the nearest tenth of a unit?</p>	L	$3y + 6$
13	<p>The perimeter of a rectangle is $(10y + 18)$ units. If the width of one side of the rectangle is $(2y + 3)$ units, what is the value of the length?</p>	M	$15x^2 + 11x - 12$
14	<p>The area of a rectangle is $2y^2 + 19y + 24$ units squared. If the length of one side of the rectangle is $(2y + 3)$ units, what is the dimension of the other side of the rectangle?</p>	N	$y + 8$

15	<i>If the function $y = x^2 + 12x + 11$ has one zero = -11, what is the value of the other zero?</i>	O	$y = 3x - 7$
16	<i>A rectangle has a length of $3x + 1$ and a width of $5x - 2$. Which expression best describes the area of the rectangle?</i>	P	$-x + 2y = 8$
17	<i>A rectangle has a length of $5x - 3$ and a width of $3x + 4$. Which expression best describes the area of the rectangle?</i>	Q	6.0

Name

Polynomial Make A Match Record Sheet

In the table below, starting with card 1, write the expression on the card and its corresponding match. Check your answers when you are finished.

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