



14

Name: _____
7th Grade

Solve!

$$\textcircled{1} \quad 4 - 7x = -13$$

$$\textcircled{2} \quad -4(2x - 3) = 11$$

$$\textcircled{3} \quad -6x - 3 = -x - 4$$

$$\textcircled{4} \quad -5x - 2x = 16$$

$$\textcircled{5} \quad 6(x + 4) + 1 = 2x + x + 3x \quad \textcircled{6} \quad -(x + 4) = 3(x - 2)$$

Simplify.

$$\textcircled{1} (3xy^2)^3$$

$$\textcircled{2} (8x^3y)^2$$

$$\textcircled{3} \frac{18x}{2x^4}$$

$$\textcircled{4} \frac{7y^5}{14y^2}$$

$$\textcircled{5} (3xy)(4x^2y)$$

$$\textcircled{6} (5x^2)(6xy^3)$$

$$\textcircled{7} \frac{a^3b^{-3}c^5}{a^7b^5c^2}$$

$$\textcircled{8} \frac{abc}{a^3b^4c^5}$$

What part of the coordinate plane will each coordinate point fall on?

① $(3.75, -2.4)$ ② $(-4, 0)$

③ $(-6\frac{2}{3}, -5\frac{1}{2})$ ④ $(-3.9, 4.7)$

⑤ $(0, 0)$ ⑥ $(2\frac{1}{9}, 4\frac{1}{6})$

⑦ $(-0.5, -\frac{1}{4})$ ⑧ $(0, 3)$

⑨ $(2\frac{1}{6}, -6)$ ⑩ $(-14, 5\frac{1}{3})$

Finish the tables for the following equations.

① $y = 4x - 2$

x	y
-2	
-1	
0	
1	
2	

② $y = -x + 5$

x	y
-2	
-1	
0	
1	
2	

③ $y = \frac{1}{2}x + 3$

x	y
-2	
-1	
0	
1	
2	

④ $y = -\frac{1}{3}x$

x	y
-6	
-3	
0	
3	
6	

⑤ $y = 7$

x	y
-2	
0	
2	