

Name: _____

Unit 1 – Prior Skills Formative Assessment

1. Simplify each expression below.

a. $3(x + y) - 5(x - y)$	c. $\frac{1}{2}(x^2 + 1) - \frac{3}{2}(x^2 - 1)$
b. $(4x - y)(4x + y)$	d. $4x(x + 2) - 2x(x - 4)$

2. Evaluate each expression below when $x = 3$ and $y = -5$.

a. $3(x + y) - 5(x - y)$	c. $\frac{1}{2}(x^2 + 1) - \frac{3}{2}(x^2 - 1)$
b. $(4x - y)(4x + y)$	d. $4x(x + 2) - 2x(x - 4)$

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3. Solve each linear equation.

a. $5x - 8 = 7$

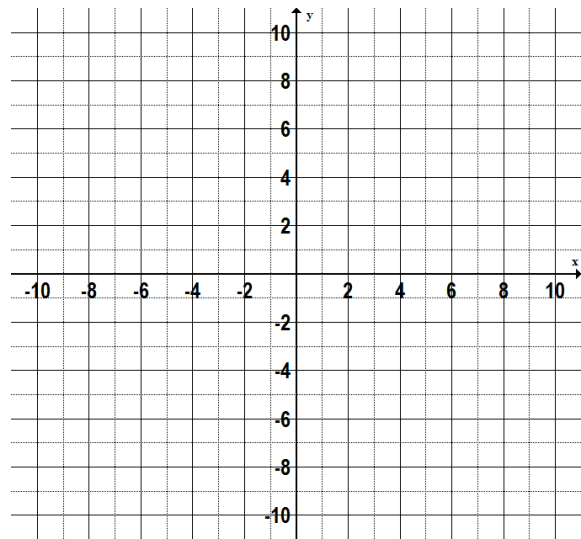
c. $\frac{5}{6}y - \frac{3}{4}y = -3$

b. $-2(x - 3) = 2(1 - 2x)$

d. $\frac{x-2}{4} = \frac{2x+1}{3}$

4. Graph each relation.

a. $y = 2x - 3$



b. $3x + 4y = 12$

