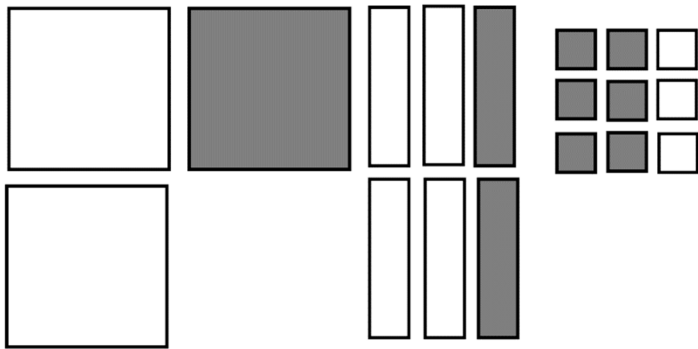


Station A

1. Write the simplified expression represented by the tiles. (shaded is negative)



2. Draw 2 different sets of tiles that represent $2x^2 - 5x + 3$.

3. Simplify each expression by collecting like terms.

a) $5x + (-3) + (-3x) - (-4)$

b) $5x^2 + 1 - 3x + 4x^2 - 7x - 4$

Station B

1. Simplify

a) $(4m^2 - 7m + 3) + (2m^2 - 3m - 1)$

b) $(3x^2 - 2x + 7) - (5x^2 - 3x - 4)$

2. Simplify FIRST, then evaluate for $k=-3$.

$$(k + 3) - (2k^2 - 3k + 4) - (3k^2 - 1) + (5k - 3)$$

3. The length of a rectangle is 3 less than twice the width. Determine a simplified expression for the perimeter of the rectangle.



Station C

1. Simplify.

a) $(x^6)(x^3)$ b) $\frac{y^{10}}{y^{-4}}$ c) $(x^5)^2$ d) $\frac{(x^{-5})(x^7)}{x^6}$

2. Simplify.

a) $(5x^3y^{-2})(-2x^5y)$ b) $\frac{-2x^5y}{8xy^{-3}}$ c) $(-4x^5y^{-3})^2$

3. Simplify.

a) $(2x^3y^{-1})(-xy^5)^2$

b) $\frac{(6a^3b^2)^2}{(-2a^2b)^3}$ c) $\frac{(-3m^4n^5)^3(2mn^3)^2}{(-2m^{-1}n^2)^3}$

Station D

1. Simplify.

a) $5(3x - 4)$

b) $-2x(7x + 1)$

c) $3a^2b(5ab - 2ab^3)$

d) $2x(3y - 4xy^2) - 3(3xy - 7x^2y^2)$

2. Solve.

a) $3x - 2 = 10$

b) $\frac{x}{5} = -2$

c) $5 - 3k = -4$