**CL 3-113.** Two brothers, Martin and Horace, are in their backyard. Horace is taking down a brick wall on one side of the yard while Martin is building a brick wall on the other side. Martin lays 2 bricks every minute. Meanwhile, Horace takes down 3 bricks each minute from his wall. They both start working at the same time. It takes Horace 55 minutes to finish tearing down his wall.

    a. How many bricks were originally in the wall that Horace started tearing down?

    b. Represent this situation with equations, tables, and a graph.

    c. When did the two walls have the same number of bricks?

CL 3-114. Rewrite each of these products as a sum.

    a. $6x(2x + y - 5)$

    b. $(2x^2 - 11)(x^2 + 4)$

    c. $(7x)(2xy)$

    d. $(x - 2)(3 + y)$

CL 3-115. Find the missing areas and dimensions for each generic rectangle below. Then write each area as a sum and as a product.

  a.

  b.
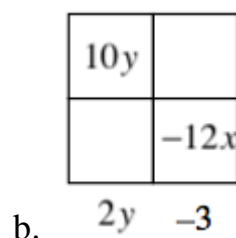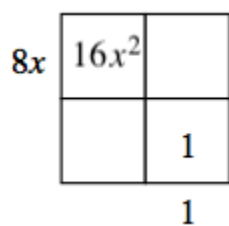
CL 3-116. For each equation below, solve for x.

    a. $(x - 1)(x + 7) = (x + 1)(x - 3)$

    b. $2x - 5(x + 4) = -2(x + 3)$

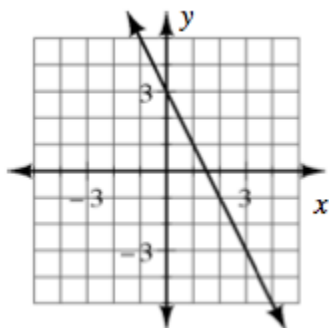   c. $|x + 7| = 11$

    d. $|2x - 3| = 23$

CL 3-118. Simplify each expression.

    a. $(5x^3)^2$

    b. $\dfrac{14a^3b^2}{21a^4b}$

    c. $2m^3n^2 \cdot 3mn^4$

CL 3-119. Determine the equation of each line from the given representation.

    a.

    b. A line with a slope $-\dfrac{2}{3}$ and passes through the point $(-3, 4)$.

    c.

b. x	c. -4	d. -3	e. -2	f. -1
g. y	h. -11	i. -9	j. -7	k. -5

CL 3-121. Using your knowledge of exponents, rewrite each expression below so that there are no negative exponents or parentheses remaining.

    a. $\dfrac{4x^{18}}{(2x^{22})^0}$

    b. $(s^4tu^2)(s^7t^{-1})$

    c. $(3w^{-2})^4$

    d. m^{-3}