****

**CL 3-113.**  Two brothers, Martin and Horace are in their back yard. 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 starts with zero bricks in his wall, but can lay 2 bricks every minute.  Meanwhile, Horace’s wall is made up of 200 bricks and he takes down 3 bricks each minute.

Write an equation in y = mx + b form for each brother.

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

* 1. 6*x*(2*x* + *y* − 5)
	2. (2*x*2 − 11)(*x*2 + 4)
	3. (7*x*)(2*xy*)
	4. (*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.

* 1. **** b. ****

**CL 3-118.** Simplify each expression.

* 1. (*x*3)2 b.  c. 2*m*3· 3*m*
	2. e. (3x2)0 c. 5*xy*3· 3*x*2*y*5 d. *x*-2

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

* 1. 
	2. A line with a slope −and passes through the point (−3, 4).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *x* | −4 | −3  | −2  | −1  |
| *y* | −11 | −9 | −7 | −5 |



**3-85.**Complete each of the Diamond Problems below. The pattern used in the Diamond Problems is shown at right.

