**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_\_**

**2-5 Solving for a Variable / Literal Equations HW**

Solve each equation for the variable indicated.

1) C = 2πr, solve for r 2) mx + y = b, solve for y 3) mx + y = b, solve for x

4) P = 2w + 2l, solve for w 6) Force (F) = Mass (m) times Acceleration (a), solve for Acceleration (a)

5) distance (d) = the product of rate (r) and time (t), solve for rate (r) 6) 2x + y = 8, solve for y

7) 8x + 2y = 6, solve for y 8) , solve for *C* 9) 6x – 3y = 9 , solve for y

 10) x – 3y = -12, solve for y 11) 5x + 4y = 16, solve for y

12) The area (a) of a triangle is half the product of the base (b) and the height (h), solve for the height (h)

 13) , solve for 