Formulas can be manipulated through the process of solving literal equations.

1) Solve for b: \( A = bh \) (Area of a parallelogram)

2) Solve for h: \( A = \frac{1}{2}bh \) (Area of a triangle)

3) Solve for d: \( C = \pi d \) (Circumference of a circle)

4) Solve for L: \( P = 2L + 2W \) (Perimeter of a rectangle)

5) Solve for t: \( D = rt \) (Linear motion)
Literal Equations – Worksheet #3

Solve each of the following equations for the variable “y”.

6) \(2y = 4x + 10\)  
9) \(-5y + 15 = 3x\)

7) \(2x + 4y = -22\)  
10) \(18 = 3y - 12x\)

8) \(8y - 4x = 2\)  
11) \(19 = 7x + y\)