1.3 – Solving Literal Equations

Everyone always complains that math got “difficult” when the alphabet become involved. Trust me, it is not any different! It is all about manipulation and understanding how to move terms across the equal sign.

Ex. Solve for y: $4x-3y=-14$ Ex. Solve for h: $V=\frac{1}{3}πr^{3}h$

Practice:

Solve each equation below for y

1. $27x-9y=18$ 2. $20x+4y=44$

3. $8y-24x=-72$ 4. $15x-3y=39$\

Ex. The formula for converting degrees Fahrenheit to degrees Celsius is $C=\frac{5}{9}(F-32)$. Solve the equation for F, and then determine what degrees Fahrenheit is equivalent to 18 degrees Celsius.