

Name: _____

Date: _____

Notes

Algebra Section 3.8

Pages 184-189

Goal: "I will rewrite equations and formulas"



Ex: Solve $ax + b = c$ for x

This means to:

Solve the following equations for the given variable.

Ex: Solve $A = \frac{1}{2}bh$ for h

Find h if the shown triangle has an area of 64.4 m^2



Ex: $p + qx = r$ for x

Ex: $A = lw$ for l , then find l if $A = 351 \text{ cm}^2$ and $w = 13 \text{ cm}$

Ex: You are visiting Toronto over the weekend and look up a weather forecast. Find the low temperatures for Saturday and Sunday in degrees Fahrenheit. First rewrite the conversion formula so F is isolated:

$$C = \frac{5}{9}(F - 32)$$

	Friday	Saturday	Sunday
Forecast	Sunny	Sunny	Partly Cloudy
High	21°C	22°C	16°C
Low	13°C	14°C	10°C

****RECALL THAT ALL FUNCTIONS START WITH: ****

So when you are rewriting an equation so it is in function form that means to isolate:

Ex: $-2x + 3y = 6$

Ex: $3x + 2y = 8$

Ex: $4x - 2y = -6$

Ex: $-3x - y = 7$

Ex: $8x + 2y = -2$

Ex: $-5x - y = 10$