Section 1.4: Rewriting	Equations &	Formulas
In Class Notes		

Ex:) Solve the equation for y.

Notes:

$$2y + 5x = 6$$

OYO:) Solve the equation for y.

Notes:

$$12 = 6x + 3y$$

Ex:) The formula for the surface area S of a cone is $S=\pi r^2+\pi r\ell$. Solve the formula for the slant height ℓ .

Notes:

$$S = \pi r^2 + \pi r \ell$$

OYO:) The formula for the area of a triangle is $A = \frac{b \bullet h}{2}$. Solve the formula for the base b.

Notes:

$$A = \frac{b \bullet h}{2}$$

Notes:

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

OYO:) Solve the temperature formula for C.

$$F = \frac{9}{5}C + 32$$

Ex:) Determine which has the greater temperature?





OYO:) Room temperature is considered to be $70^\circ F$. The temperature outside is currently $23^\circ C$. Is this greater than or less than room temperature?

Notes:

More like #45 from Section 1.3

Ex:) Fill in the blanks so that the equation has infinitely many solutions.

$$5x + 4 - 7x = \square (x - \square)$$

Ex:) Fill in the blanks so that the equation has no solutions.

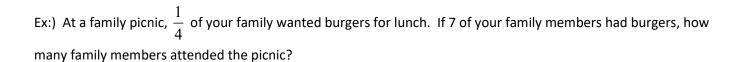
$$8 - 5x + 12 = \square (x + \square)$$

OYO:) Fill in the blanks so that the equation has no solutions.

$$-3x-16-x=$$
 $\left(x-\right)$

OYO:) Fill in the blanks so that the equation has infinitely many solutions.

$$21 - 12x + 15 = \square \left(x + \square \right)$$



OYO:) In your math class, $\frac{1}{7}$ of the students borrowed a calculator from the teacher. The rest of the students brought their own calculators. If 2 students borrowed a calculator from the teacher, how many total students are in your math class?