Bellwork: 09/13/17

1. Circumference of a Circle
   Solve for r: $C = 2\pi r$
2. Area of a Triangle
   Solve for b: $A = \frac{1}{2}bh$
3. Celsius to Fahrenheit
   Solve for C: $F = \frac{9}{5}C + 32$

Plan of attack!!!!!!

Solve the equation for *y*.

$4x + 8y = 17$

$5y - 3x = 15$

$5x - 3y = 9$

This formula gives the yearly depreciation D for an item in terms of its cost C, its salvage value S, and the number of years n.

Solve the formula for C.

$D = \frac{C - S}{n}$

solve each of the formulas for the indicated variable.

$V = \frac{KT}{P}$ for T

Solve the formula

$A = P(1 + rt)$ for r

A forager honeybee spends about three weeks becoming accustomed to the immediate surroundings of its hive and spends the rest of its life collecting pollen and nectar. The total number of miles T a forager honeybee flies in its lifetime L (in days) can be modeled by $T = m(L - 21)$ where m is the number of miles it flies each day.

a.) Solve the equation $T = m(L - 21)$ for L.

b.)

A forager honeybee's flight muscles last only about 500 miles; after that the bee dies. Some forager honeybees fly about 55 miles per day. Approximately how many days do these bees live?

The retail selling price of an item, R, was $20.70.
If its cost, C, to the store was $18, what was the markup rate, r?

$$R = C(1 + r)$$

p. 30

#3, 9-16, 18-21 ato NOC

#3@ $A = \frac{1}{2} \cdot b \cdot h$

LATE WORK!!!!!!!!!!!!

QUIZZES!!!!!!!!!!!!!!!!!!