5 - 6 Use Formulas to Solve Problems

formula: an equation stating a relationship between 2 or more variables

Ex: A = l w

Find the area of a rectangle with length of 9 units and width of 5 units.

$$A = 100$$

$$A = 9.5$$

$$A = 45 u^2$$

Ex: Use the formula d = rt, where d = distance, r = rate, and t = time. A car traveled 120 mi in 2.5 hr. Find its average rate.

$$d = rt$$
 $120 = r \cdot 2.5$
 2.5
 48 mph
 2.5
 $48 = r$

Ex: $F = \frac{9}{5}C + 32$ If the outside temperature is $86^{\circ}F$, find the temperature in degrees Celsius.

Ex: In the formula F = ma, solve for m.

$$F = max$$

$$A = m$$

$$A$$

Homework:

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