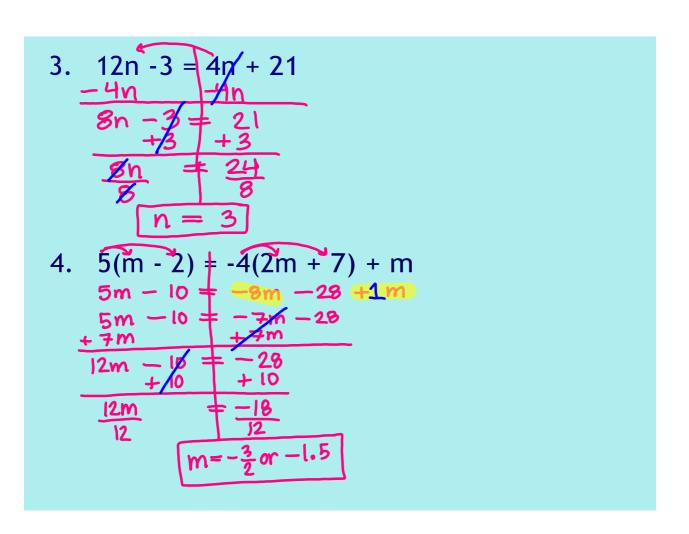
1.3 SOLVING LINEAR EQUATIONS

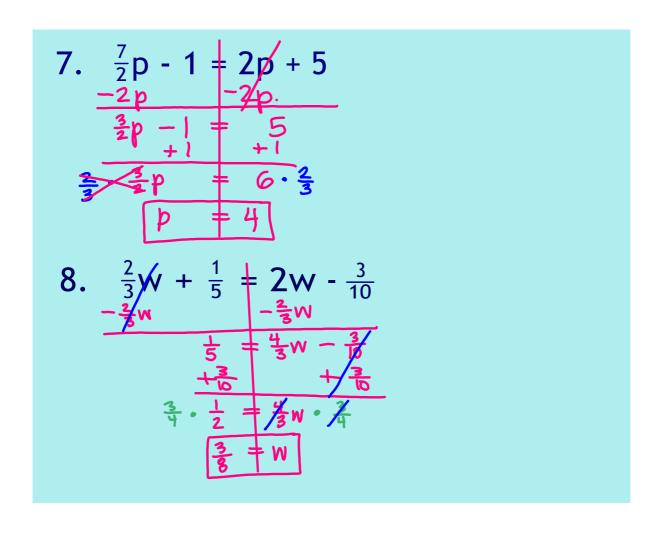
Equation - MUST have an equal sign

<u>Linear Equation</u> - MUST have one variable and an equal sign (the graph will be a line)

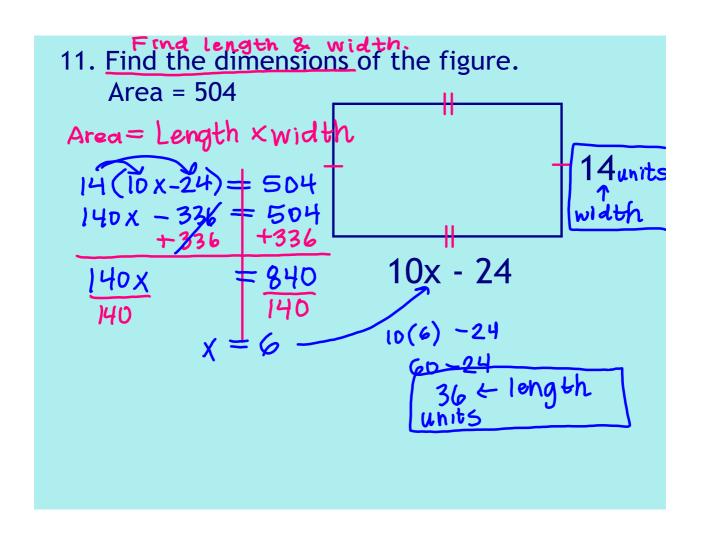
EXAMPLES: Solve for the variable.

2.
$$\frac{-3\sqrt{1 + 36}}{-3}$$
 $y = -12$





9.
$$\frac{3}{4}(\frac{4}{5}f - 2) = \frac{11}{4}$$
 $\frac{3}{4} \cdot \frac{4}{5}f - \frac{3}{4} \cdot 2 = \frac{11}{4}$
 $\frac{3}{5}f - \frac{3}{2}/=\frac{11}{4}$
 $+\frac{3}{2}$
 $f = \frac{17}{4} \cdot \frac{5}{3}$
 $f = \frac{17}{4} \cdot \frac{5$



12. Sally has two summer jobs. In the first job, she works 16 hours per week and earns \$7.50 per hour. In the second job, she works 20 hours per week. If she earns \$280 (before taxes), how much does she earn per hour at her second job?

13. Jerome earns a base yearly salary of \$20,000 as a car salesman. He also earns 4% of the total value of his yearly sales. If he earned \$40,920 in 2015, what was the total value of his yearly sales?