Pre-Calculus 11 Section 3.5 – Quadratic Word Problems

Homework: Section 3.5 on Pg. 102; #1-18

Tips for doing quadratic word problems

- 1. Draw a picture (If possible)
- 2. Define variable(s) and setup equation(s)
 - 3. Solve the equation(s)
- 4. Relate your solution(s) back to the problem

Ex 1 A 30cm by 50cm picture has a frame surrounding it. If the frame is the same width all around, and the total area of the frame and picture is 1836 cm^2 , how wide is the frame?

Ex 2 The sum of a number and three times its reciprocal is $\frac{28}{3}$. What is the number?

