

Lesson 6: Applications of Quadratic Equations

Solve the following applications.

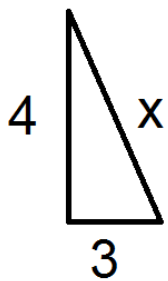
1) The length of a rectangle is 5 cm more than twice its width. If the perimeter of the rectangle is 50 cm, find the dimensions of the rectangle.

2) A rectangular parking lot covers 200 m^2 of area. The width is 5 m less than the length. Find the dimensions of the parking lot.

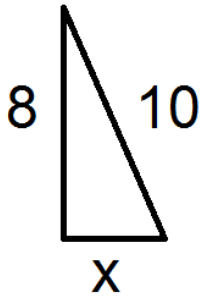
3) The length of a rectangle is 50 ft more than three times its width. If the perimeter of the rectangle is 300 ft , the dimensions of the rectangle.

4) A rectangular field covers 500 square yards of area. The width is 20 yards less than the length. Find the dimensions of the field.

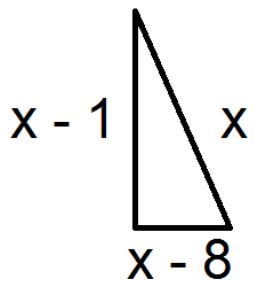
5) Find the missing side.



6) Find the missing side.



7) Find the length of each side.



8) Find the length of each side.

