

Name : \_\_\_\_\_

## Quadratic Equation

Sheet 3

- 1) Robert takes 10 days more than Peter to complete a job. If they work together they will complete the job in 12 days. How long will Peter alone take to finish the job?

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- 2) The sum of the ages of a father and his son is 42 years. The product of their ages is 185. How old are they?

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- 3) A rectangular garden is 100 yd long and 60 yd wide. A path is constructed around the garden. Find the area of the path.

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constructed around \_\_\_\_\_ yd<sup>2</sup>.

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- 4) The height of a triangle is 80 ft, how long do the sides of the triangle have to be?

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area of the triangle is \_\_\_\_\_

\_\_\_\_\_

- 5) The player hits the ball up in the air with an upward velocity of 18 ft/sec. The equation that gives the height of the ball at any time 't' is  $h(t) = -8t^2 + 18t + 5$ . How long did it take for the ball to hit the ground?

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