

TEST QUESTIONS

Name: _____

Date: _____

Find the value of x in the equation $25x^2 - 36 = 0$.

Patricia took 6 hours to travel from Greenville to Hightown at an average speed of 65 miles per hour. Sam took 1 hour more than Patricia to complete the same journey. Find Sam's average speed for the whole journey.

Find the slope of a line which passes through points (1, 3) and (7, 10).

A rectangle and a square have the same perimeter. The square has an area of 81 m^2 , and the rectangle has a width of 8 m. Find the area of the rectangle in square meters.

Simplify $(z^2 \times z^2) - (y^2xy)$.

What is the area in square centimeters of a triangle with a base of 3 m and a height of 4 m?

Determine the limit of $x^2 - 1/x - 1$ as x approaches 1.

In the equation $x^2 - x = 20$, what are two possible values for x ?

A rectangular container 15 inches long and 12 inches wide contained some water. When a solid cube was put in, the water level rose by 2 cm. Find the volume of the cube.

It takes 5 workers 2 days to lay carpet in a house. If two of the workers are on vacation, how long will it take the remaining workers to lay the carpet?