

Name _____

Sr.# _____

Q1

- 4.** The length of a rectangle is increasing at a rate of 8 cm/s and its width is increasing at a rate of 3 cm/s. When the length is 20 cm and the width is 10 cm, how fast is the area of the rectangle increasing?

Q2.

51. Find y' if $y = \ln(x^2 + y^2)$.