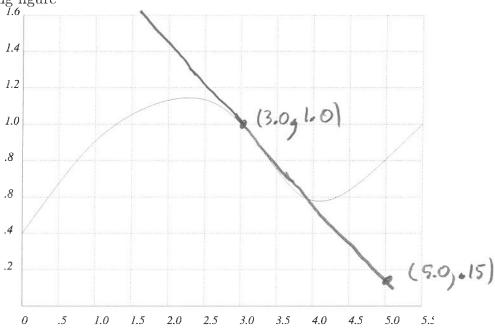
Quiz 8

Name: Key

You must show your work to get full credit.

1. In the following figure



(a) Draw the tangent line at the point where x = 3.

(b) Estimate f'(3) by choosing two points on the tangent line using them to find the slope.

$$f'(3) = 5 lone of taugat line$$

$$= \frac{vice}{ruin}$$

$$= \frac{.15 - 1.0}{5.0 - 3.0} = -0.425$$

f'(3) ≈ -.425 L'You auguer mus difer by a hit.)

2. The following is the graph of y = g(x). Draw the graph of the derivative y = g'(x) on the same axis.

