



3. (2 points) On the graph of  $y = 4x^2 - 30$ , what is the slope of the curve at  $x = 10$  ?

4. (3 points) Find derivatives of the following functions. Use Leibniz notation for the derivative.

(a)  $y = \sqrt{2x^4 - 5x^2 + 4}$

(b)  $h = \frac{5}{t^2}$

(c)  $P = 3re^{-r}$