

Find the average rate of change over the given interval.

$$g(x) = 4x^2 - 3 \text{ on } [-2, 3]$$

Find the average rate of change over the given interval.

$$g(x) = 5x^2 - 2 \text{ on } [2, b]$$

Rewrite the expression with a positive exponent and then in root form.

$$3x^{-9/4}$$

Rewrite the expression with a rational exponent.

$$2\sqrt[8]{x^5}$$