

2.1-2.3 Review Supplement

Write the equation of the line in point-slope form.
Then re-write that equation in slope-intercept
form and standard form.

$(1, -3)$ and $(5, 2)$

Find the average rate of change on the given interval

$$f(x) = 4x^2 - 3 \quad [-2, 3]$$

Find the average rate of change on the given interval

$$f(x) = 5x^2 + 2 \quad [2, b]$$

Explain why the function is a power function.
Then give the constant of variation and the power.
Also, rewrite the function with a positive exponent
and then in root form.

$$f(x) = 3x^{-9/4}$$

Explain why the function is not a monomial function.

Then, rewrite the function with a positive exponent

$$f(x) = 2\sqrt[8]{x^5}$$