



Name

Score

Find the y-intercept of the functions and show all steps.

$$f(x) = \frac{x + 5}{x - 2}$$

Show all steps here

$$f(x) = \frac{3x^2 - 1}{x^2 + 4}$$

Show all steps here

$$f(x) = \frac{2x}{x^2 + x}$$

Show all steps here

$$f(x) = \frac{x^2 - 9}{x + 3}$$

Show all steps here

$$f(x) = \frac{x - 4}{x^2 + 2x - 8}$$

Show all steps here



y-intercept of Rational Functions



Answer Key

Find the y-intercept of the functions and show all steps.

$(0, -5/2)$

$(0, -1/4)$

No y-intercept

$(0, -3)$

$(0, 1/2)$