

5.6 Rates of Change in Rational Functions

Math Learning Target:



"I can find the exact average rate of change and (instantaneous) rate of change of any rational function."

Recall: Simplify: $\frac{h-5}{h-2} - \frac{-5}{-2}$

Ex. 1: a) Find the slope of the tangent to $f(x) = \frac{x}{x+3}$ at $x = -5$.

b) Why can there not be a tangent line at $x = -3$?

ENTERTAINMENT. With a partner(s), complete the worksheet.