

Warm-Up:  
Simplify.

$$1) \frac{2}{10} = \frac{1}{5}$$

$$2) \frac{9}{3} = 3$$

$$3) \frac{-26}{10} = \frac{-13}{5}$$

😊

38, 34, 32

$$32) f(x) = 3x + 7$$

$$f(8) - 5$$

$$f(8) = 3(8) + 7 = 31$$

$$f(8) - 5 = 31 - 5$$

$$f(8) - 5 = 26$$

$$34) g(x) = x^2 - 2x$$

$$g(4n) = (4n)^2 - 2(4n)$$

$$g(4n) = 16n^2 - 8n$$

$$38) 2[g(t)] \quad g(x) = x^2 - 2x$$

$$2[g(t)] = (t^2 - 2t) \cdot 2$$

$$2[g(t)] = 2t^2 - 4t$$

## Section 4-1: Rate of Change

A rate of change is a ratio that shows the change in one quantity compared to the change in a second quantity.

Homework: Finish Worksheet

Quiz 3-1, 3-2 Next Class