

Equation

vs.

Functions

$$y = 2x + 1$$

$$f(x) = 2x + 1$$

"f of x"

"the function of x"

Evaluating Functions

PEMDAS

Ex)  $f(x) = 2x - 1$ , find  $x$  when  $f(3)$ .

$$f(3) = 2(3) - 1$$

$$f(3) = 6 - 1$$

$$f(3) = 5$$

Ex)  $f(x) = \frac{1}{2}(x) + 4$  when  $f(2)$  and  $f(3)$

$$f(2) = \frac{1}{2}(2) + 4$$

$$= 5$$

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

$$= 5.5$$

p. 249

p. 282

9-11

24-26