

Pre-5 Worksheet (2 pages)

Evaluate the following functions for the given value.

1. find $f(144)$

$$f(x) = 5\sqrt{x} - 120$$

2. find $f(198)$

$$f(x) = 6\sqrt{x - 149}$$

3. Evaluate the following expressions given the functions below:

$$g(x) = -3x + 1$$

$$f(x) = x^2 + 7$$

$$h(x) = \frac{12}{x}$$

$$j(x) = 2x + 9$$

a. $g(10) =$

b. $f(3) =$

c. $h(-2) =$

d. $j(7) =$

e. $h(a) =$

f. $g(b + c) =$

h. Find x if $g(x) = 16$

i. Find x if $h(x) = -2$

j. Find x if $f(x) = 23$

Evaluate the following Functions for the given values.

4. Given $h(n) = n^3 + 3n^2$; find $h(-5)$

5. Given $h(x) = -x^2 - x$; find $h(10)$

6. Given $g(x) = 2x^2 + \frac{3}{2}x$; find $g(\frac{1}{4})$

7. Given $f(v) = \frac{1+v}{1-v}$; find $f(1-a)$

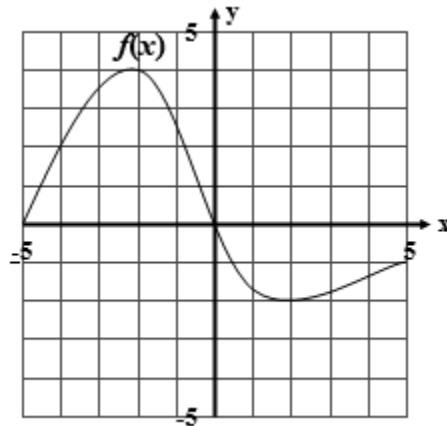
8. Given $h(x) = x^2 - 3x + 1$; find $h(-7)$

9. Given $f(x) = |2x^2 - 3x|$; find $f(3a)$

10. Given $f(x) = x^2$ and $h(x) = 4x$, find the expression that represents $g(x)$ when $g(x)$ is defined as:

$$g(x) = \frac{f(-2x)h(\frac{1}{2}x)}{2}$$

11. Given this graph of the function $f(x)$.



Find:

a. $f(-4) =$

b. $f(0) =$

c. $f(3) =$

d. $f(-5) =$

e. x when $f(x) = -2$

f. x when $f(x) = 0$