

Evaluating Functions Worksheet

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Evaluate each function.

1) $k(x) = -x + 1$; Find $k(-10)$

2) $p(x) = 3x$; Find $p(-6)$

3) $g(n) = n^2 + 3$; Find $g(8)$

4) $g(x) = x^3 + 5x$; Find $g(5)$

5) $h(n) = n^3 + 3n^2$; Find $h(-5)$

6) $w(a) = -a^2 + 5a$; Find $w(7)$

7) $p(a) = a^3 - 4a$; Find $p(-6)$

8) $h(n) = \frac{4}{3}n + \frac{8}{5}$; Find $h(-1)$

9) $f(x) = -1 + \frac{1}{4}x$; Find $f\left(\frac{3}{4}\right)$

10) $h(n) = n^3 + 6n$; Find $h(4)$

11) $h(x) = -x^2 - 3$; Find $h(-1)$

12) $h(x) = -x^2 - x$; Find $h(10)$

13) $h(t) = t^2 - 4.4$; Find $h(-7.8)$

14) $g(t) = -2.3t^2 + 3.5t$; Find $g(8.6)$

15) $h(a) = -2 - \frac{1}{4}a$; Find $h\left(-\frac{4}{5}\right)$

16) $g(x) = 2x^2 + \frac{3}{2}x$; Find $g\left(\frac{1}{4}\right)$

Answers to Evaluating Functions Worksheet

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|---------------------|-------------|--------------------|-------------------|
| 1) 11 | 2) -18 | 3) 67 | 4) 150 |
| 5) -50 | 6) -14 | 7) -192 | 8) $\frac{4}{15}$ |
| 9) $-\frac{13}{16}$ | 10) 88 | 11) -4 | 12) -110 |
| 13) 56.44 | 14) -140.01 | 15) $-\frac{9}{5}$ | 16) $\frac{1}{2}$ |