

Perform the indicated operation.

1) $g(x) = x - 1$
 $f(x) = -2x^3 - 1 + x$
Find $\left(\frac{g}{f}\right)(-2)$

2) $h(n) = 2n - 1$
 $g(n) = -4n - 2$
Find $h(-10) + g(-10)$

3) $g(t) = t^3 - 3t^2$
 $h(t) = 4t - 1$
Find $(g - h)(0)$

4) $f(x) = x^3 - 2$
 $g(x) = 3x - 2$
Find $\left(\frac{f}{g}\right)(-4)$

5) $g(a) = a^3 - 2$
 $h(a) = 2a + 3$
Find $g(5) + h(5)$

6) $h(x) = -3x + 2$
Find $h(h(10))$

7) $f(n) = -2n + 2$
 $g(n) = 2n + 1$
Find $f(5) \cdot g(5)$

8) $g(x) = 3x - 5$
 $h(x) = -x - 2$
Find $(g + h)(5)$

9) $g(t) = 3t - 3$
 $h(t) = t^2 - 5$
 Find $g(h(-1))$

10) $h(x) = x^2 - 5x$
 $g(x) = 4x$
 Find $(h \circ g)(1)$

11) $h(n) = n^3 + 1 + n$
 $g(n) = n + 1$
 Find $h(-1) + g(-1)$

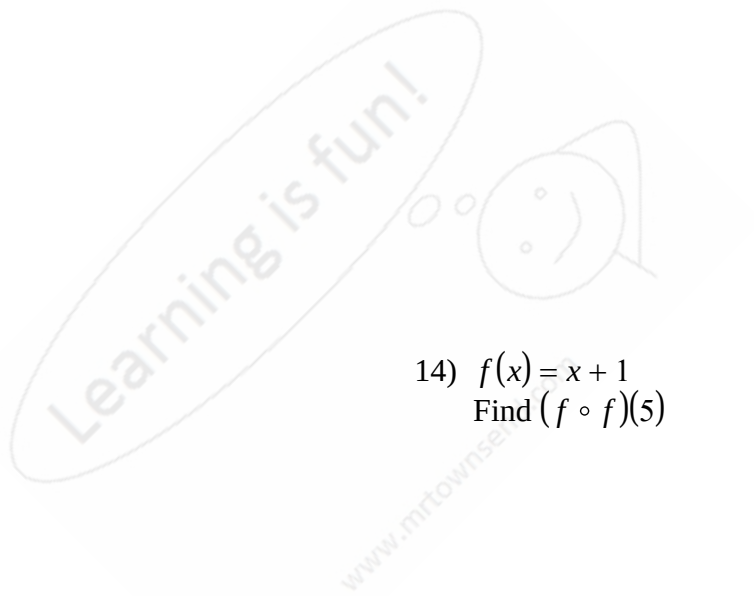
12) $g(n) = 2n - 5$
 $f(n) = n^3 - 3n$
 Find $(g \cdot f)(2)$

13) $g(x) = x - 1$
 $h(x) = 2x - 1$
 Find $g(h(1))$

14) $f(x) = x + 1$
 Find $(f \circ f)(5)$

15) $f(t) = 2t + 5$
 $g(t) = t^2 - 3$
 Find $(f + g)(10)$

16) $g(n) = 4n - 1$
 Find $(g \circ g)(1)$



Answers to

1) $-\frac{3}{13}$

5) 136

9) -15

13) 0

2) 17

6) 86

10) -4

14) 7

3) 1

7) -88

11) -1

15) 122

4) $\frac{33}{7}$

8) 3

12) -2

16) 11

