

Class Time Examples

Date _____

Perform the indicated operation.

1) $f(t) = 2t - 2$
 $g(t) = t^2 - 5$
Find $f(-5) - g(-5)$

2) $g(x) = -x^2 + 4$
 $h(x) = 4x + 3$
Find $g(4) - h(4)$

3) $h(x) = 2x + 2$
 $g(x) = x^2 - 4x$
Find $h(-5) + g(-5)$

4) $h(x) = 3x$
 $g(x) = x^3 + 2$
Find $h(g(1))$

5) $g(a) = a^2 + 5a$
 $f(a) = 2a + 2$
Find $\left(\frac{g}{f}\right)(8)$

6) $f(a) = a^3 - 3a^2$
 $g(a) = -a + 2$
Find $(f \cdot g)(3)$

7) $g(x) = 2x + 5$
 $f(x) = 3x + 2$
Find $g(-2) + f(-2)$

8) $g(x) = x + 4$
 $h(x) = x - 1$
Find $\left(\frac{g}{h}\right)(6)$

Answers to Class Time Examples

1) -32

2) -31

3) 37

4) 9

5) $\frac{52}{9}$

6) 0

7) -3

8) 2

