

Name: _____

Date: _____

Multiplying and Dividing Functions**Perform the indicated operation.**

1) $g(a) = 3a + 2$
 $f(a) = 2a - 4$
Find $(\frac{g}{f})(3)$

2) $g(n) = n^2 + 4 + 2n$
 $h(n) = -3n + 2$
Find $(g \cdot h)(1)$

3) $g(t) = t^2 + 3$
 $h(t) = 4t - 3$
Find $(g \cdot h)(-1)$

4) $f(x) = 2x^3 - 5x^2$
 $g(x) = 2x - 1$
Find $(f \cdot g)(x)$

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

6) $g(a) = 2a - 1$
 $h(a) = 3a - 3$
Find $(g \cdot h)(-4)$



1) $g(a) = 3a + 2$
 $f(a) = 2a - 4$
Find $(\frac{g}{f})(3)$

$\frac{11}{2}$

2) $g(n) = n^2 + 4 + 2n$
 $h(n) = -3n + 2$
Find $(g \cdot h)(1)$

-7

3) $g(t) = t^2 + 3$
 $h(t) = 4t - 3$
Find $(g \cdot h)(-1)$

-28

4) $f(x) = 2x^3 - 5x^2$
 $g(x) = 2x - 1$
Find $(f \cdot g)(x)$

$4x^4 - 12x^3 + 5x^2$

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

$\frac{3x-1}{x^2-x}$

6) $g(a) = 2a - 1$
 $h(a) = 3a - 3$
Find $(g \cdot h)(-4)$

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