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 $(g \cdot h)(-4)$

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

$\frac{11}{2}$

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

-7

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

-28

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

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

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

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

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

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