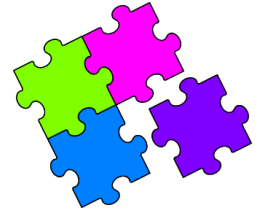


# Match-Up

## Composite Functions



<b>1</b>	$f(x) = x + 3$ $g(x) = 2x$ Find $fg(x)$
<b>2</b>	$f(x) = 10 - x$ $g(x) = 3x + 1$ Find $gf(x)$
<b>3</b>	$f(x) = x + 3$ $g(x) = 2x$ Find $gf(x)$
<b>4</b>	$f(x) = 2x - 1$ Find $ff(x)$
<b>5</b>	$f(x) = 10 - x$ $g(x) = 3x + 1$ Find $fg(x)$
<b>6</b>	$f(x) = x^2$ $g(x) = x - 1$ Find $fg(x)$
<b>7</b>	$f(x) = 2x$ $g(x) = \frac{x}{x+1}$ Find $gf(x)$
<b>8</b>	$f(x) = x^2$ $g(x) = x - 1$ Find $gf(x)$
<b>9</b>	$f(x) = 2x$ $g(x) = \frac{x}{x+1}$ Find $fg(x)$
<b>10</b>	$f(x) = x + 2$ $g(x) = (x - 1)^2$ Find $gf(x)$

<b>A</b>	$2x + 6$
<b>B</b>	$4x - 3$
<b>C</b>	$x^2 - 1$
<b>D</b>	$\frac{2x}{2x + 1}$
<b>E</b>	$x^2 + 2x + 1$
<b>F</b>	$2x + 3$
<b>G</b>	$\frac{2x}{x + 1}$
<b>H</b>	$x^2 - 2x + 1$
<b>I</b>	$31 - 3x$
<b>J</b>	$9 - 3x$

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>F</b>	<b>I</b>	<b>A</b>	<b>B</b>	<b>J</b>	<b>H</b>	<b>D</b>	<b>C</b>	<b>G</b>	<b>E</b>