

Match-Up	Composite Functions
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1	$f(x) = x + 3 \quad g(x) = 2x$ Find $fg(x)$
2	$f(x) = 10 - x \quad g(x) = 3x + 1$ Find $gf(x)$
3	$f(x) = x + 3 \quad g(x) = 2x$ Find $gf(x)$
4	$f(x) = 2x - 1$ Find $ff(x)$
5	$f(x) = 10 - x \quad g(x) = 3x + 1$ Find $fg(x)$
6	$f(x) = x^2 \quad g(x) = x - 1$ Find $fg(x)$
7	$f(x) = 2x \quad g(x) = \frac{x}{x + 1}$ Find $gf(x)$
8	$f(x) = x^2 \quad g(x) = x - 1$ Find $gf(x)$
9	$f(x) = 2x \quad g(x) = \frac{x}{x + 1}$ Find $fg(x)$
10	$f(x) = x + 2 \quad g(x) = (x - 1)^2$ Find $gf(x)$

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

[illegible]