

### Composition of Two Functions

ES2

Choose the correct choice.

1)  $f(x) = x+5$  ;  $g(x) = 3x-6$ . Find  $f \circ g$ .

- a)  $3x-1$
- b)  $3x+9$
- c)  $-3x-9$
- d)  $3x-11$

2)  $f(x) = 1+3x$  ;  $g(x) = 1-x$ . Find  $f \circ g$ .

- a)  $-3x$
- b)  $3x-4$
- c)  $1-3x$
- d)  $4-3x$

3)  $f(x) = -2x+5$  ;  $g(x) = x+2$ . Find  $f \circ g$ .

- a)  $-2x-1$
- b)  $2x+3$
- c)  $-2x+1$
- d)  $2x+7$

4)  $f(x) = 8-11x$  ;  $g(x) = -4-x$ . Find  $f \circ g$ .

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

- a)  $6x-13$
- b)  $6x-11$
- c)  $6x+2$
- d)  $6x-2$

6)  $f(x) = x-9$ . Find  $f \circ g$ .

7)  $f(x) = 4-x$  ;  $g(x) = 3-2$

- a)  $2x+11$
- b)  $7-2x$
- c)  $2x-5$
- d)  $2x+1$

8)  $f(x) = -x-2$ . Find  $f \circ g$ .

- d)  $2x+1$

9)  $f(x) = 5-x$  ;  $g(x) = -x-2$ . Find  $f \circ g$ .

- a)  $x+7$
- b)  $x+3$
- c)  $-7+x$
- d)  $-x+7$

10)  $f(x) = 7x-1$  ;  $g(x) = -3-2x$ . Find  $f \circ g$ .

- a)  $14x+22$
- b)  $-7x-1$
- c)  $-14x-22$
- d)  $7x+1$

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**Answer key****Composition of Two Functions**

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- b)  $6x-11$
- c)  $6x+2$
- d)  **$6x-2$**

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- d)  **$2x+1$**

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