

## Function notation

1.  $f(x) = 2x + 1$

(a) Find  $f(3)$

(b) Find  $f(-2)$

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2.  $f(x) = 3x^2 + 10$

(a) Find  $f(2)$

(b) Find  $f(-1)$

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## Composite functions

$$(f \circ g)(x) = f(g(x))$$

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

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2.  $f(x) = 2x + 1$  and  $g(x) = 3x^2$ . Find  $(g \circ f)(x)$ .

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