

Algebra /

Evaluating functions: Linear and quadratic or cubic

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The functions f and g are defined as follows.

$$f(x) = 2x^2 - 3x \quad g(x) = 2x + 2$$

Find $f(-3)$ and $g(-7)$.

Simplify your answers as much as possible.

$f(-3) =$

$g(-7) =$

$$f(-3) = 2(-3)^2 - 3(-3)$$

$$2(9) + 9$$

$$18 + 9$$

$$f(-3) = 27 \quad (-3, 27)$$

$$g(-7) = 2(-7) + 2$$

$$-14 + 2$$

$$g(-7) = -12$$

$$(-7, -12)$$