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Domain and Range of Quadratic Functions

Name _____ Score _____

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Determine the domain and range of the functions.

$f(x) = x^2 - 4x + 4$	$f(x) = x^2 + 2x - 3$
$f(x) = 2x^2 - 8x + 6$	$f(x) = x^2 - 5x + 6$
$f(x) = 3x^2 + 6x - 9$	$f(x) = (x - 2)^2 - 4$
$f(x) = 2(x + 1)^2 - 8$	$f(x) = -3(x - 4)^2 + 12$
$f(x) = (x + 3)^2 - 9$	$f(x) = 4(x - 5)^2 - 16$

Domain and Range of Quadratic Functions

Answer Key

Determine the domain and range of the functions.

Domain: $(-\infty, \infty)$ Range: $[0, \infty)$	Domain: $(-\infty, \infty)$ Range: $[-4, \infty)$
Domain: $(-\infty, \infty)$ Range: $[-2, \infty)$	Domain: $(-\infty, \infty)$ Range: $\left[-\frac{1}{4}, \infty\right)$
Domain: $(-\infty, \infty)$ Range: $[-12, \infty)$	Domain: $(-\infty, \infty)$ Range: $[-4, \infty)$
Domain: $(-\infty, \infty)$ Range: $[-8, \infty)$	Domain: $(-\infty, \infty)$ Range: $(-\infty, 12]$
Domain: $(-\infty, \infty)$ Range: $[-9, \infty)$	Domain: $(-\infty, \infty)$ Range: $[-16, \infty)$