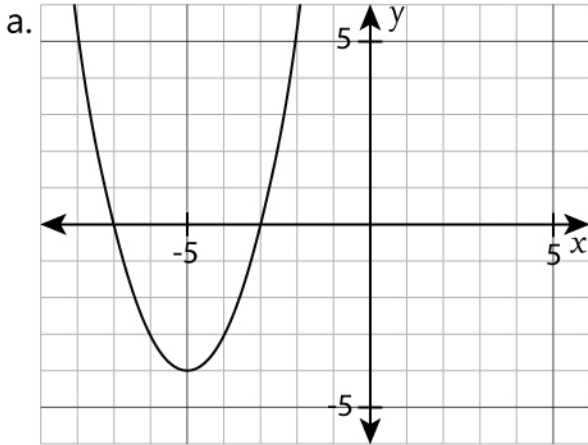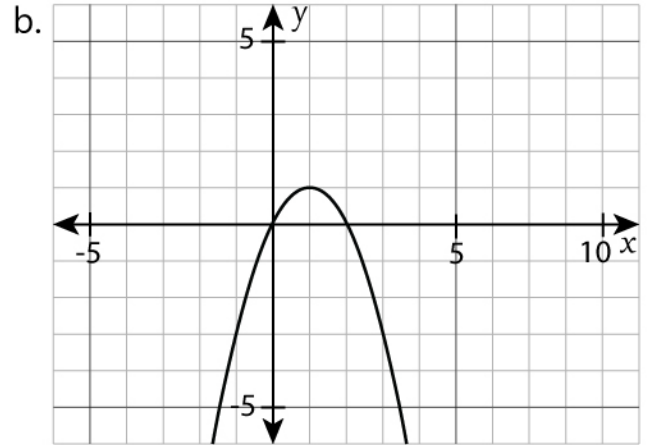# Quadratic Functions Worksheet

1. Identify the vertex of each quadratic function.

a.

Vertex: _____

b.

Vertex: _____

2. Graph the given quadratic functions by filling up the table.
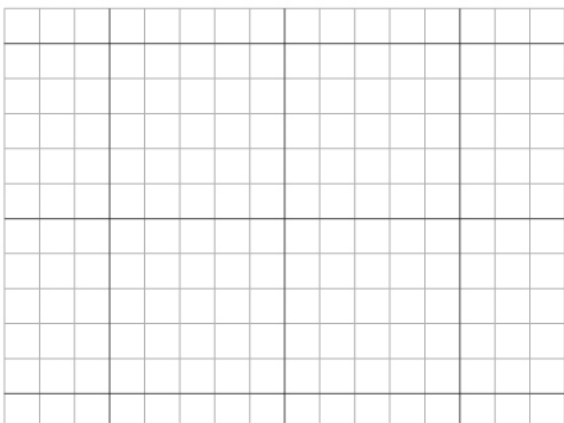
a. $f(x) = -4x^2 - 32x - 63$

x	-6	-5	-4	-3	-2
$f(x)$					

b. $f(x) = -6x^2 + 12x - 1$

x	-1	0	1	2	3
$f(x)$					

c. $f(x) = 7x^2 - 14x - 2$

x	-1	0	1	2	3
$f(x)$					

d. $f(x) = 5x^2 + 20x - 1$

x	-4	-3	-2	-1	0
$f(x)$					

QUADRATIC FUNCTIONS WORKSHEET

Answers

1. Identify the vertex of each quadratic function.

a.

Vertex: (–5, –4)

b.

Vertex: (1, 1)

2. Graph the given quadratic functions by filling up the table.

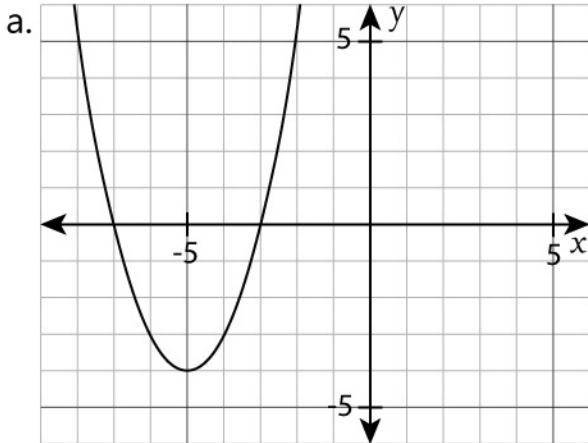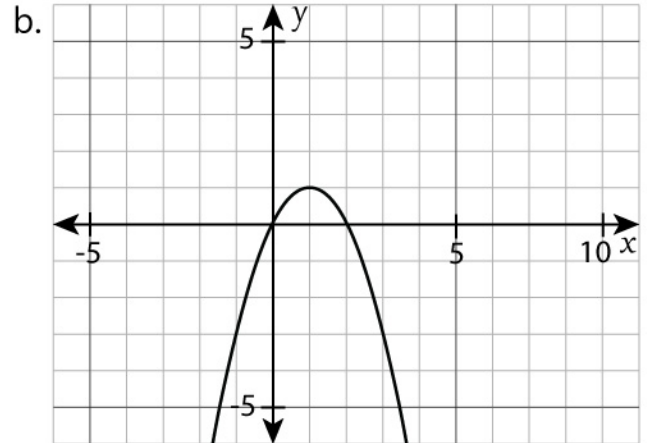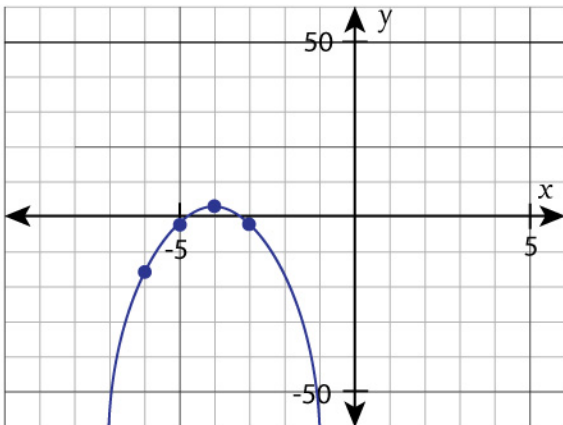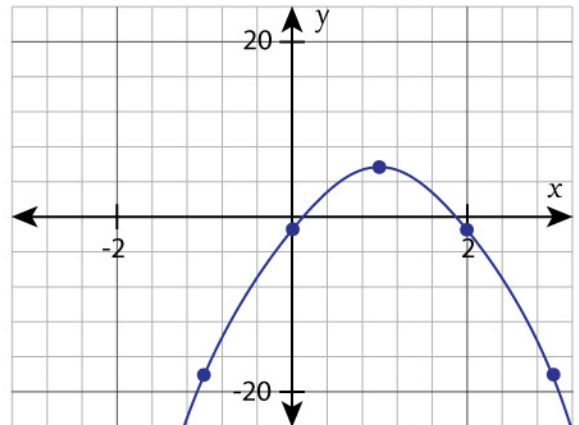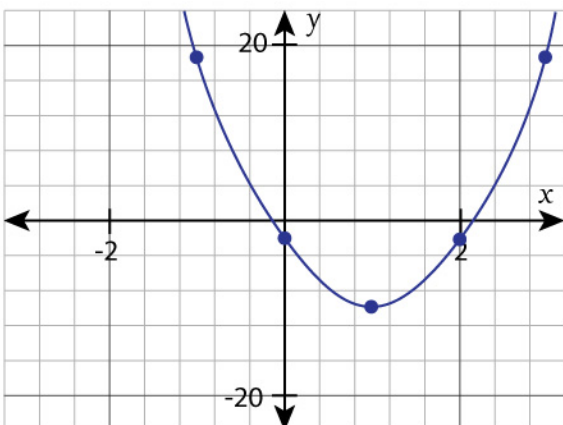a. $f(x) = -4x^2 - 32x - 63$

x	-6	-5	-4	-3	-2
$f(x)$	-15	-3	1	-3	-15

b. $f(x) = -6x^2 + 12x - 1$

x	-1	0	1	2	3
$f(x)$	-19	-1	5	-1	-19

c. $f(x) = 7x^2 - 14x - 2$

x	-1	0	1	2	3
$f(x)$	19	-2	-9	-2	19

d. $f(x) = 5x^2 + 20x - 1$

x	-4	-3	-2	-1	0
$f(x)$	-1	-16	-21	-16	-1