

Intermediate Algebra

Name: _____

Study Guide 19

Class: _____

Due Date: _____

Score: _____

No Work \Leftrightarrow No Points

Use Pencil Only \Leftrightarrow Be Neat & Organized

1. Consider $x = \frac{1}{2}y^2 + 2y$,

(a) (3 points) Find its vertex.

(a) _____

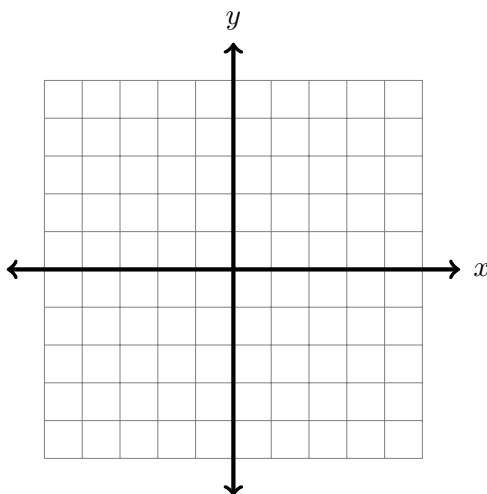
(b) (3 points) Find all its the y -ints.

(b) _____

(c) (2 points) Find its the x -int.

(c) _____

(d) (5 points) Graph. Draw its axis of symmetry.



2. Consider $x = -y^2 - 6y$,

(a) (3 points) Find its vertex.

(a) _____

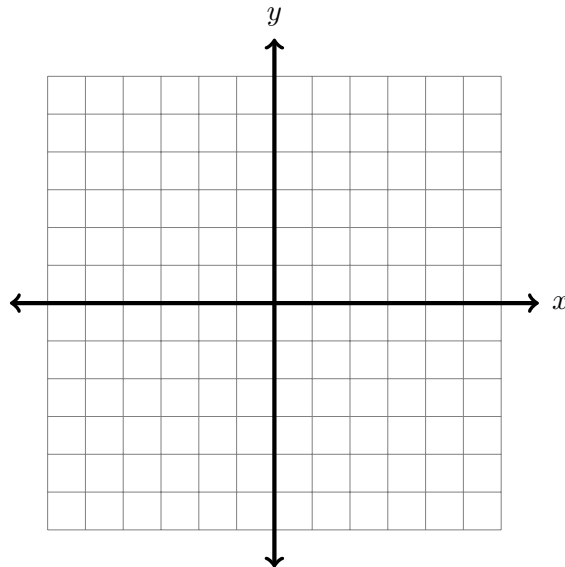
(b) (3 points) Find all its the y -ints.

(b) _____

(c) (2 points) Find its the x -int.

(c) _____

(d) (5 points) Graph. Draw its axis of symmetry.



3. Consider $x = -2(y + 1)^2 - 2$,
(a) (3 points) Find its vertex.

(a) _____

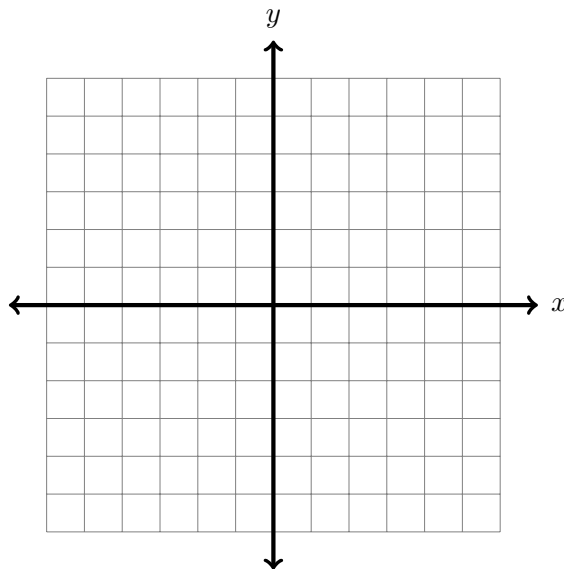
- (b) (3 points) Find all its the y -ints.

(b) _____

- (c) (2 points) Find its the x -int.

(c) _____

- (d) (4 points) Graph. Draw its axis of symmetry.



4. Consider $x = \frac{-1}{4}(y - 2)^2 + 4$,

(a) (3 points) Find its vertex.

(a) _____

(b) (3 points) Find all its the y -ints.

(b) _____

(c) (2 points) Find its the x -int.

(c) _____

(d) (4 points) Graph. Draw its axis of symmetry.

