

1. Use the distance formula to find the distance between the pair of points:

$(-1, 2)$

$(3, -4)$

1)

$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

2)

Solve the problem.

(a, y) and (x, a)

5) List the x-intercept(s) and y-intercept of the following:

$$x^2 + y - 25 = 0$$

6) Determine whether the function is symmetric with respect to the y-axis, symmetric with respect to the x-axis, symmetric with respect to the origin, or none of these.

$$y = 3x^2 - 2$$

|||Solve the equation, and write your answer in interval notation.

$$-1 \leq -2x - 2 < 5$$

|||Solve the equation, and write your answer in interval notation.

$$|3x - 2| < 5$$



$$\sqrt{2x + 3} - \sqrt{x} = 1$$

