1.

II) Use the distance formula to find the distance between the pair of points:

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

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

5)

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.

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

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

10) **List the x-intercept(s) and y-intercept of the following:**
$$x^2 + y - 25 = 0$$