

Find the distance between the pair of points.

1) (4, 2) and (0, -1)

A) 25

B) 10

C) 6

D) 5

1) _____

2) (7, -5) and (5, -1)

A) $12\sqrt{3}$

B) 6

C) $2\sqrt{5}$

D) 12

2) _____

Find the midpoint of the line segment whose end points are given.

3) (2, 1) and (1, 7)

A) $(\frac{3}{2}, 4)$

B) (3, 8)

C) $(\frac{1}{2}, -3)$

D) (1, -6)

3) _____

Write the standard form of the equation of the circle with the given center and radius.

4) (0, 0); 7

5) (0, 0); $\sqrt{7}$

6) (9, 5); 2

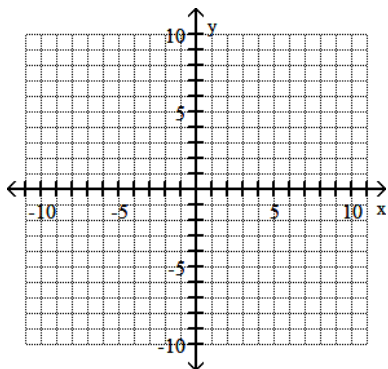
7) (-9, 0); 12

Find the center and the radius of the circle.

8) $(x - 5)^2 + (y - 3)^2 = 36$

Graph the equation.

9) $(x - 3)^2 + (y - 1)^2 = 4$



Complete the square and write the equation in standard form. Then give the center and radius of the circle.

10) $x^2 + 8x + 16 + y^2 + 2y + 1 = 36$

11) $x^2 + y^2 - 18x + 2y + 82 = 4$

Answer Key

Testname: PRACTICE10

1) D

2) C

3) A

4) $x^2 + y^2 = 49$

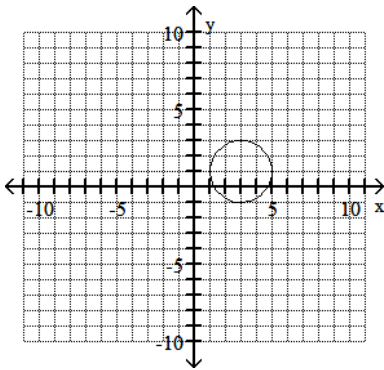
5) $x^2 + y^2 = 7$

6) $(x - 9)^2 + (y - 5)^2 = 4$

7) $(x + 9)^2 + y^2 = 144$

8) $(, 3), r = 6$

9)



Domain = (1, 5), Range = (-1, 3)

10) $(x + 4)^2 + (y + 1)^2 = 36$

$(-4, -1), r = 6$

11) $(x - 9)^2 + (y + 1)^2 = 4$

$(9, -1), r = 2$