

NAME: \_\_\_\_\_

1. fall0814ge, P.I. G.G.73  
What are the center and radius of a circle whose equation is  $(x - A)^2 + (y - B)^2 = C$ ?  
[A] center =  $(A, B)$ ; radius =  $\sqrt{C}$   
[B] center =  $(-A, -B)$ ; radius =  $\sqrt{C}$   
[C] center =  $(A, B)$ ; radius =  $C$   
[D] center =  $(-A, -B)$ ; radius =  $C$
2. 080404b, P.I. G.G.73  
A circle has the equation  $(x + 1)^2 + (y - 3)^2 = 16$ . What are the coordinates of its center and the length of its radius?  
[A]  $(-1, 3)$  and 16      [B]  $(1, -3)$  and 16  
[C]  $(1, -3)$  and 4      [D]  $(-1, 3)$  and 4
3. 080911ge, P.I. G.G.73  
What are the center and the radius of the circle whose equation is  $(x - 3)^2 + (y + 3)^2 = 36$ ?  
[A] center =  $(-3, 3)$ ; radius = 36  
[B] center =  $(3, -3)$ ; radius = 36  
[C] center =  $(-3, 3)$ ; radius = 6  
[D] center =  $(3, -3)$ ; radius = 6
4. fall9917b, P.I. G.G.73  
The center and radius of the given circle  $(x - 3)^2 + (y + 8)^2 = 39$  are:  
[A]  $(-3, -8)$ ,  $r = \sqrt{39}$       [B]  $(3, -8)$ ,  $r = 39$   
[C]  $(3, -8)$ ,  $r = \sqrt{39}$       [D]  $(-3, 8)$ ,  $r = \sqrt{39}$
5. 060922ge, P.I. G.G.73  
A circle is represented by the equation  $x^2 + (y + 3)^2 = 13$ . What are the coordinates of the center of the circle and the length of the radius?  
[A]  $(0, -3)$  and  $\sqrt{13}$       [B]  $(0, 3)$  and 13  
[C]  $(0, 3)$  and  $\sqrt{13}$       [D]  $(0, -3)$  and 13
6. 060506b, P.I. G.G.73  
What are the coordinates of the center of the circle represented by the equation  $(x + 3)^2 + (y - 4)^2 = 25$ ?  
[A]  $(3, -4)$       [B]  $(-3, 4)$   
[C]  $(3, 4)$       [D]  $(-3, -4)$
7. 010620b, P.I. G.G.73  
The center of a circle represented by the equation  $(x - 2)^2 + (y + 3)^2 = 100$  is located in Quadrant  
[A] II      [B] IV      [C] III      [D] I
8. 010426a  
In the coordinate plane, the points  $(2, 2)$  and  $(2, 12)$  are the endpoints of a diameter of a circle. What is the length of the radius of the circle?  
[A] 10      [B] 5      [C] 6      [D] 7

[1] A

[2] D

[3] D

[4] C

[5] A

[6] B

[7] B

[8] B