G.G.73: Find the equation of a circle, given the equation of the circle in center-radius form

1. 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)

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 13 [D] (0,3) and $\sqrt{13}$

6. 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 = C

[B] center = ($-A$, $-B$); radius = $\sqrt{C}$

[C] center = (A, B); radius = $\sqrt{C}$

[D] center = ($-A$, $-B$); radius = C

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] I [B] IV [C] II [D] III

G.G.73: Find the equation of a circle, given the equation of the circle in center-radius form

[1] B

[2] D

[3] C

[4] C

[5] A

[6] C

[7] B