

Completing the Square Practice

1) $x^2 + y^2 - 4x - 6y + 9 = 0$

2) $x^2 + y^2 - 4x + 12y - 7 = 0$

3) $x^2 + y^2 - 2x + 4y + 4 = 0$

4) $x^2 + y^2 - 10x + 12y + 51 = 0$

$$x^2 + y^2 + 4x - 2y = -1$$

- 5) The equation of a circle in the xy -plane is shown above. What is the radius of the circle?
- A) 2
 - B) 3
 - C) 4
 - D) 9