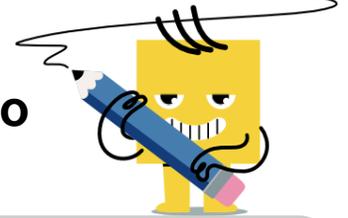# mobius

Graphing Circles - Center Coordinate to Equation

1 Which equation would have this center coordinate? $C = (3, -6)$

A $(x + 3)^2 + (y + 6)^2 = 2^2$

B $(x - 3)^2 + (y + 6)^2 = 2^2$

2 Which equation would have this center coordinate? $C = (-5, 4)$

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

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

3 Which equation would have this center coordinate? $C = (-5, -4)$

A $(x + 5)^2 + (y + 4)^2 = 4^2$

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

4 Which equation would have this center coordinate? $C = (5, -5)$

A $(x + 5)^2 + (y - 5)^2 = 1^2$

B $(x - 5)^2 + (y + 5)^2 = 1^2$

5 Which equation would have this center coordinate? $C = (2, -3)$

A $(x - 2)^2 + (y - 3)^2 = 3^2$

B $(x - 2)^2 + (y + 3)^2 = 3^2$

6 Which equation would have this center coordinate? $C = (5, -1)$

A $(x + 5)^2 + (y + 1)^2 = 4^2$

B $(x - 5)^2 + (y + 1)^2 = 4^2$

7 Which equation would have this center coordinate? $C = (4, 0)$

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

B $(x + 4)^2 + (y)^2 = 5^2$

8 Which equation would have this center coordinate? $C = (-5, -6)$

A $(x - 5)^2 + (y - 6)^2 = 3^2$

B $(x + 5)^2 + (y + 6)^2 = 3^2$