

3. اكتب معادلة دائرة التقاطعتان الطرفيتان لقططراها هما (-3, -3) و (1, 5).

### المركز

$$(h, k) = \left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

$$= \left( \frac{\boxed{\phantom{0}} + \boxed{\phantom{0}}}{2}, \frac{\boxed{\phantom{0}} + \boxed{\phantom{0}}}{2} \right)$$

$$= (\boxed{\phantom{0}}, \boxed{\phantom{0}})$$

### نصف القطر

$$r = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$= \sqrt{(\boxed{\phantom{0}} - \boxed{\phantom{0}})^2 + (\boxed{\phantom{0}} - \boxed{\phantom{0}})^2}$$

$$= \sqrt{\boxed{\phantom{0}}}$$

**معادلة الدائرة**

$$(x - h)^2 + (y - k)^2 = r^2$$

$$(x - \boxed{\phantom{0}})^2 + (y - \boxed{\phantom{0}})^2 = \boxed{\phantom{0}}$$

