



## #02 SA Circles

Total points 5/5 ?



✓ The equation of the circle passing through (0, 0) and making intercepts 2 and 4 on the coordinate axes is: \*

1/1

$$x^2 + y^2 - x - 2y = 0$$

Option 1

$$x^2 + y^2 - 2x - 4y = 5$$

Option 2

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

Option 3



$$x^2 + y^2 - 2x - 4y + 1 = 0$$

Option 4





The centre and radius of the circle  $x^2 + y^2 + 4x - 6y = 5$  is:

$$(2, -3), 2\sqrt{2}$$

Option 1

$$(-2, 3), 3\sqrt{2}$$

Option 2



$$(-2, 3), 2\sqrt{2}$$

Option 3

$$(2, -3), 3\sqrt{2}$$

Option 4





The equation of circle whose centre is (2, 1) and which passes through the point (3, -5) is:

$$x^2 + y^2 - 4x - 2y - 5 = 0$$

Option 1

$$x^2 + y^2 - 4x - 2y - 32 = 0$$

Option 2



$$x^2 + y^2 - 4x - 2y - 13 = 0$$

Option 3

$$x^2 + y^2 - 4x - 2y - 18 = 0$$

Option 4



✓ The equation of circle of radius 5 units touches the coordinates axes in the second quadrant is: \*

1/1

$$x^2 + y^2 + 10x - 10y + 25 = 0$$

Option 1



$$x^2 + y^2 - 10x - 10y + 25 = 0$$

Option 2

$$x^2 + y^2 + 10x + 10y + 25 = 0$$

Option 3

$$x^2 + y^2 - 10x - 10y + 25 = 0$$

Option 4

✓ \*

1/1

Point  $(-2, -5)$  lies on the circle  $x^2 + y^2 = 25$

On the axis outside the circle

Outside



Inside

On the circle

On the circle

This form was created inside of Sanskriti School.

Google Forms

