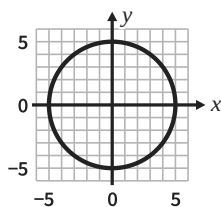


Equation of a circle

Exit ticket **ANSWERS** Name _____

- 1 The circle has centre (0, 0).
Write its equation.



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

- 2 Is the point (3, 7) inside, on or outside the circle
 $x^2 + y^2 = 50$? Show how you know.

$$\text{Outside: } 9 + 49 = 58$$

- 3 A circle has centre (0, 0) and passes through (4, -1).
Write its equation.

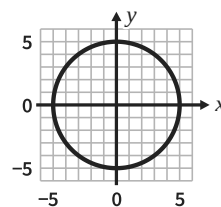
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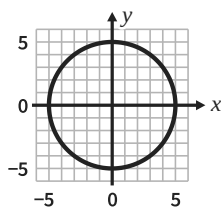
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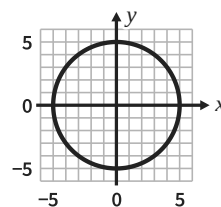
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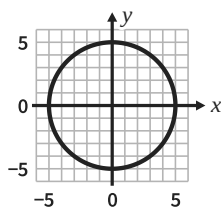
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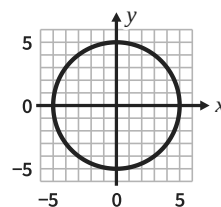
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