

Equation of a tangent to a circle

Exit ticket ANSWERS Name _____

- 1 P(3, -1) is on the circle $x^2 + y^2 = 10$. Find the gradient of the tangent at P.

3

- 2 Find the equation of the tangent to $x^2 + y^2 = 10$ at P(3, -1).

$$y = 3x - 10$$

- 3 Fin says the tangent to $x^2 + y^2 = 20$ at (2, 4) has a gradient of 2. Is Fin right? Explain.

No: the tangent is $-\frac{1}{2}$

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