



New Maths GCSE: A16 - Equation of the Radius and Tangents

Name:.....

Date:.....

What is the gradient of the radius of the circle to the point (3, 4)?

A $\frac{3}{4}$ **B** $\frac{4}{3}$ **C** $-\frac{3}{4}$ **D** $-\frac{4}{3}$

Correct Answer: A B C D

Explanation:

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What is the gradient of the radius of the circle to the point (-1, 3)?

A $\frac{1}{3}$ **B** 3 **C** $-\frac{1}{3}$ **D** -3

Correct Answer: A B C D

Explanation:

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What is the gradient of the tangent to the circle at the point (-2, -3)?

A $\frac{2}{3}$ **B** $\frac{3}{2}$ **C** $-\frac{2}{3}$ **D** $-\frac{3}{2}$

Correct Answer: A B C D

Explanation:

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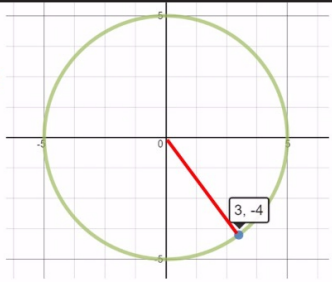
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What is the gradient of the tangent to the circle at the point (3, -4)?



- A** $\frac{3}{4}$
- B** $\frac{4}{3}$
- C** $-\frac{3}{4}$
- D** $-\frac{4}{3}$

Correct Answer: A B C D

Explanation:

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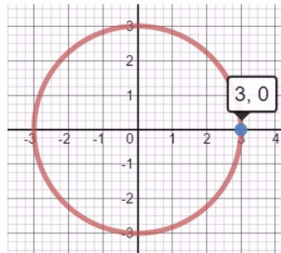
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What is the equation of the tangent to the circle at the point (3, 0)?



- A** $x = 3$
- B** $y = 3$
- C** $x + y = 3$
- D** $y = -3$

Correct Answer: A B C D

Explanation:

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