

# Quiz Analysis: Equations of Parallel & Perpendicular Lines

## 80 Level Questions

Describe, in detail, the errors you made.

What questions do you still have? Feel free to draw or write examples to help illustrate.

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## 90 Level Questions

Describe, in detail, the errors you made.

What questions do you still have? Feel free to draw or write examples to help illustrate.

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## 100 Level Questions

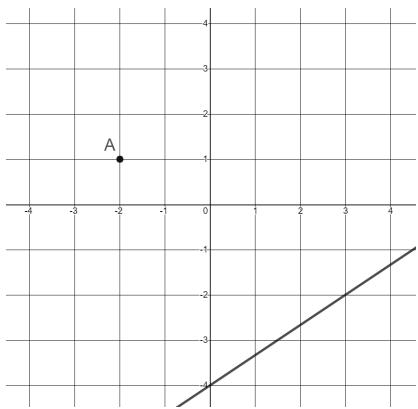
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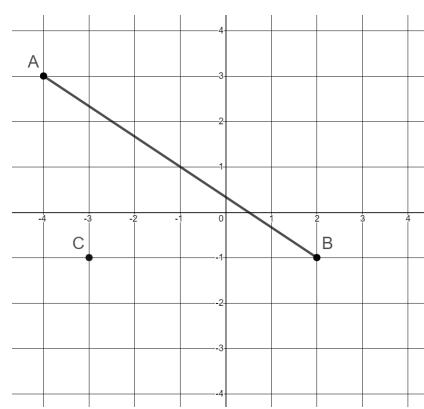
# Practice: Equations of Parallel & Perpendicular Lines

## 80 Level

Write an equation that goes through the given point and is perpendicular to the given line.



Write an equation that goes through point C and is parallel to the  $\overline{AB}$ .

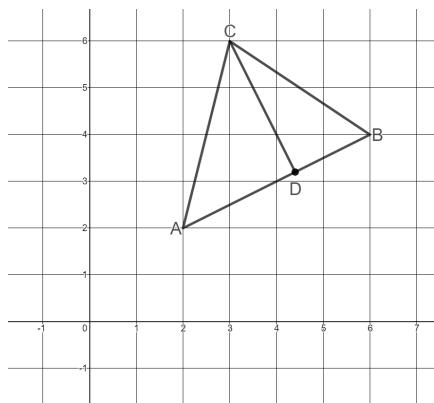


What is an equation that represents the line that passes through the point  $(-3, 1)$  and is parallel to

$$y = \frac{1}{3}x + 9?$$

## 90 Level

What is the slope of the altitude drawn from  $C$  to  $\overline{AB}$ ?



Line segment  $NY$  has endpoints  $N(-10, 5)$  and  $Y(6, -3)$ . What is the equation of the perpendicular bisector of  $\overline{NY}$ ?

## 100 Level

Fill in the blanks with any numbers that will create a line that is perpendicular to the line going through points  $(-4, 10)$  and  $(-2, 7)$ .

$$(-3, \boxed{\quad}) \quad (\boxed{\quad}, -4)$$