

NAME: _____

A.A.35: Write the equation of a line, given the coordinates of two points on the line.

1. fall0713ia, P.I. A.A.35

What is an equation for the line that passes through the coordinates (2,0) and (0,3)?

[A] $y = -\frac{2}{3}x - 2$ [B] $y = -\frac{3}{2}x + 3$

[C] $y = -\frac{2}{3}x + 2$ [D] $y = -\frac{3}{2}x - 3$

2. 010910ia, P.I. A.A.35

What is an equation of the line that passes through the points (3,-3) and (-3,-3)?

[A] $x = -3$

[B] $y = 3$

[C] $x = y$

[D] $y = -3$

3. 080836ia, P.I. A.A.35

Write an equation that represents the line that passes through the points (5,4) and (-5,0).

A.A.35: Write the equation of a line, given the coordinates of two points on the line.

[1] B _____

[2] D _____

[3] $y - 4 = \frac{2}{5}(x - 5)$ or $y = \frac{2}{5}x + 2$ or an

equivalent equation, and appropriate work is shown.

[2] Appropriate work is shown, but one computational error is made.

or [2] Appropriate work is shown to find the slope and y -intercept, but an equation is not written or is written incorrectly.

[1] Appropriate work is shown, but two or more computational errors are made.

or [1] Appropriate work is shown, but one conceptual error is made.

or [1] Appropriate work is shown to find the slope or y -intercept, but an equation is not written or is written incorrectly.

or [1] $y - 4 = \frac{2}{5}(x - 5)$ or $y = \frac{2}{5}x + 2$, but no

work is shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously

[3] incorrect procedure.