

NAME: _____

G.G.65: Find the equation of a line, given a point on the line and the equation of a line parallel to the desired line

1. 080931ge, P.I. G.G.65

Write an equation of the line that passes through the point $(6, -5)$ and is parallel to the line whose equation is $2x - 3y = 11$.

2. fall0812ge, P.I. G.G.65

What is the equation of a line that passes through the point $(-3, -11)$ and is parallel to the line whose equation is $2x - y = 4$?

[A] $y = -\frac{1}{2}x - \frac{25}{2}$ [B] $y = 2x + 5$

[C] $y = \frac{1}{2}x + \frac{25}{2}$ [D] $y = 2x - 5$

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3. 060931ge, P.I. G.G.65

Find an equation of the line passing through the point (5,4) and parallel to the line whose equation is $2x + y = 3$.

G.G.65: Find the equation of a line, given a point on the line and the equation of a line parallel to the desired line

[2] $y + 5 = \frac{2}{3}(x - 6)$ or an equivalent linear

equation, and appropriate work is shown.

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

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

or [1] $y + 5 = \frac{2}{3}(x - 6)$ or an equivalent linear

equation, 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

[1] incorrect procedure.

[2] D _____

[2] $y - 4 = -2(x - 5)$ or an equivalent equation, and appropriate work is shown.

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

or [1] Appropriate work is shown, but one conceptual error is made, such as leaving the

answer as $\frac{y - 4}{x - 5} = \frac{-2}{1}$, which has a domain

restriction.

or [1] $y - 4 = -2(x - 5)$ or an equivalent equation, 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.
