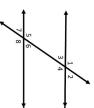
Which of the following is incorrect?



- a. Same Side Exterior, ∠1 and ∠7; supplementary
 b. Same Side Interior, ∠5 and ∠3; supplementary
- Alternate Interior, ∠4 and ∠5; congruent
- Alternate Exterior, ∠8 and ∠5; congruent
- Corresponding; $\angle 3$ and $\angle 7$; congruent

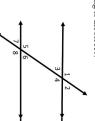
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ExamView

Give the slope of a line that is parallel to the line -5x - 6y = 11.



Which of the following is incorrect?



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- a. Corresponding; ∠4 and ∠8; congruent
 b. Same Side Exterior; ∠1 and ∠7; supplementary Alternate Interior, ∠4 and ∠5; congruent
- d. Same Side Interior, ∠6 and ∠7; supplementary
- e. Alternate Exterior, ∠7 and ∠2; congruent

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ExamView

Give the slope of a line that is parallel to the line -9x + 5y = -17.



Give the slope of a line that is perpendicular to the line 3x - 5y = 13.

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ExamView

Write an equation of a line in point-slope form that is parallel to $y = -\frac{9}{4}x$ - 8 and passes through point (4, -15).

a.
$$y = \frac{4}{9}x + 6$$

c.
$$y = \frac{4}{9}x - 6$$

a.
$$y = \frac{4}{9}x + 6$$

b. $y = -\frac{9}{4}x - 6$

c.
$$y = \frac{4}{9}x - 6$$

d. $y = -\frac{9}{4}x + 6$

Give the slope of a line that is perpendicular to the line 5x - 2y = -11.

d.
$$-2/5$$

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ExamView

 $y = \frac{5}{3}x - 9$ and passes through point (6, 3). Write an equation of a line in point-slope form that is parallel to

a.
$$y = -\frac{3}{5}x - 7$$

b. $y = \frac{5}{3}x + 7$

c.
$$y = -\frac{3}{5}x + 7$$

d. $y = \frac{5}{3}x - 7$

ExamView 2

Write an equation of a line in point-slope form that is perpendicular to $y = -\frac{9}{4}x + 5$ and passes through point (-9, 5).

a.
$$y = -\frac{9}{4}x + 9$$

c.
$$y = -\frac{9}{4}x - 9$$

b.
$$y = \frac{4}{9}x - 9$$

d.
$$y = \frac{4}{9}x + 9$$

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ExamView

Write an equation of a line in point-slope form that is perpendicular to -7x + 8y = -64 and passes through point (-21, 15).

a.
$$y = -\frac{8}{7}x + 9$$

b. $y = \frac{7}{8}x - 9$

c.
$$y = \frac{7}{8}x + 9$$

b.
$$y = \frac{7}{8}x - \frac{1}{8}$$

c.
$$y = \frac{7}{8}x + 9$$

d. $y = -\frac{8}{7}x - 9$

 $y = \frac{1}{2}x - 2$ and passes through point (-12, 20). Write an equation of a line in point-slope form that is perpendicular to

a.
$$y = -2x + 4$$

c.
$$y = \frac{1}{2}x - 4$$

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b.
$$y = -2x - 4$$

d.
$$y = \frac{1}{2}x + 4$$

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ExamView

Write an equation of a line in point-slope form that is perpendicular to -3x + 4y = -20 and passes through point (-6, -1).

a.
$$y = \frac{3}{4}x + 9$$

b. $y = -\frac{4}{3}x + 9$

c.
$$y = -\frac{4}{3}x - 9$$

d. $y = \frac{3}{4}x - 9$

Write an equation of a line in point-slope form that is perpendicular to -5x + 6y = -36 and passes through point (-15, 15).

a.
$$y = -\frac{6}{5}x - 3$$

c.
$$y = -\frac{6}{5}x + 3$$

b.
$$y = \frac{5}{6}x + 3$$

$$d. \quad y = \frac{5}{6}x - 3$$

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ExamView

6x - 2y = 18 and passes through point (-6, -26). Write an equation of a line in point-slope form that is parallel to

a.
$$y = -\frac{1}{3}x + 8$$

c.
$$y = 3x + 8$$

b.
$$y = 3x - 8$$

d.
$$y = -\frac{1}{3}x - 8$$

ExamView

Write an equation of a line in point-slope form that is parallel to -6x - 4y = -24 and passes through point (-16, 33).

a.
$$y = -\frac{3}{2}x - 9$$

b. $y = \frac{2}{3}x + 9$

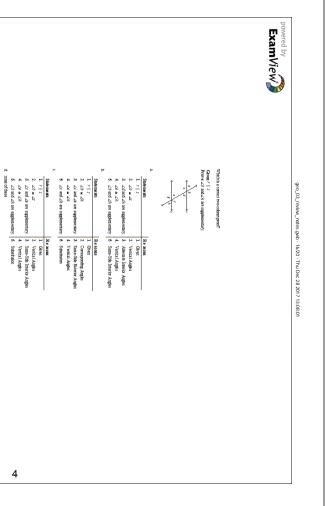
c.
$$y = -\frac{3}{2}x + 9$$

b.
$$y = \frac{2}{3}x + 9$$

c.
$$y = -\frac{3}{2}x + 9$$

d. $y = \frac{2}{3}x - 9$

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ExamView 3

Given: 2H and 2X are supplementary. Prove: $i \parallel n$ m_0

 $\begin{array}{c}
Z/Y \\
K/H \\
K/H
\end{array}$

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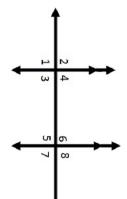
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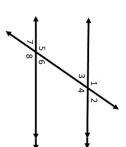
In the image below; $m \angle 3 = (-2x + 105)^{\circ}$, $m \angle 5 = (8x + 33)^{\circ}$, and $m \angle 7 = y^{\circ}$. Find the value of y.



ExamView

In the image below; $m\angle 5 = (9x - 105)^{\circ}$, $m\angle 6 = (6x - 120)^{\circ}$, and $m\angle 7 = y^{\circ}$. Find the value of x.

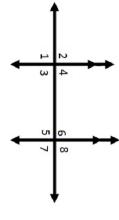
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ExamView

In the image below; $m \angle 7 = (-2x + 98)^{\circ}$, $m \angle 2 = (4x + 68)^{\circ}$, and $m \angle 2 = y^{\circ}$. Find the value of x.



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