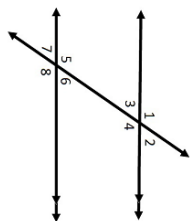
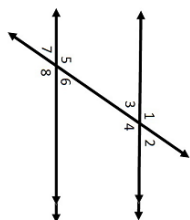


Which of the following is incorrect?



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

Which of the following is incorrect?



- a. Corresponding; $\angle 4$ and $\angle 8$; congruent
- b. Same Side Exterior; $\angle 1$ and $\angle 7$; supplementary
- c. Alternate Interior; $\angle 4$ and $\angle 5$; congruent
- d. Same Side Interior; $\angle 6$ and $\angle 7$; supplementary
- e. Alternate Exterior; $\angle 7$ and $\angle 2$; congruent

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

- a. $-6/5$
- b. $-5/6$
- c. $-11/6$
- d. $11/6$
- e. $6/5$
- f. $5/6$

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

- a. $-17/5$
- b. $-5/9$
- c. $5/9$
- d. $-9/5$
- e. $17/5$
- f. $9/5$

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

- a. $5/3$
- b. $-5/3$
- c. $13/5$
- d. $3/5$
- e. $-3/5$
- f. $-13/5$

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

- a. $-11/2$
- b. $-5/2$
- c. $5/2$
- d. $-2/5$
- e. $11/2$
- f. $2/5$

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

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

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

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

Write an equation of a line in point-slope form that is perpendicular to

$y = \frac{1}{2}x - 2$ and passes through point $(-12, 20)$.

- a. $y = -2x + 4$
- b. $y = -2x - 4$
- c. $y = \frac{1}{2}x - 4$
- d. $y = \frac{1}{2}x + 4$

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

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 $(-15, 15)$.

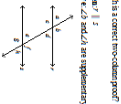
- a. $y = -\frac{6}{5}x - 3$ c. $y = -\frac{6}{5}x + 3$
b. $y = \frac{5}{6}x + 3$ d. $y = \frac{5}{6}x - 3$

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

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

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

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



Statements	Reasons
1. $\angle 1 \cong \angle 2$	1. Given
2. $\angle 3 \cong \angle 4$	2. Vertical Angles
3. $\angle 3$ and $\angle 4$ are supplementary	3. Same-Side Interior Angles
4. $\angle 3$ and $\angle 4$ are supplementary	4. Vertical Angles
5. $\angle 3$ and $\angle 4$ are supplementary	5. Same-Side Interior Angles

Statements	Reasons
1. $\angle 1 \cong \angle 2$	1. Given
2. $\angle 3 \cong \angle 4$	2. Corresponding Angles
3. $\angle 3$ and $\angle 4$ are supplementary	3. Same-Side Interior Angles
4. $\angle 3$ and $\angle 4$ are supplementary	4. Vertical Angles
5. $\angle 3$ and $\angle 4$ are supplementary	5. Same-Side Interior Angles

Statements	Reasons
1. $\angle 1 \cong \angle 2$	1. Given
2. $\angle 3 \cong \angle 4$	2. Vertical Angles
3. $\angle 3$ and $\angle 4$ are supplementary	3. Same-Side Interior Angles
4. $\angle 3$ and $\angle 4$ are supplementary	4. Vertical Angles
5. $\angle 3$ and $\angle 4$ are supplementary	5. Same-Side Interior Angles

Statements	Reasons
1. $\angle 1 \cong \angle 2$	1. Given
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4. $\angle 3$ and $\angle 4$ are supplementary	4. Vertical Angles
5. $\angle 3$ and $\angle 4$ are supplementary	5. Same-Side Interior Angles

