Module 3 Review (Quiz Grade)

* Required

* This form will record your name, please fill your name.

1

Determine if the following equations are parallel, perpendicular, or neither: y=5 and y = -3 * (1 Point)

- Parallel
- Perpendicular
- Neither

2

Determine if the following equations are parallel, perpendicular, or neither: y = 3x - 2 and y - 1/3 = 4(x-6) * (1 Point)

- Parallel
- Perpendicular
- Neither

3

Determine if the following equations are parallel, perpendicular, or neither: y + 5 = 3(x-2) and y = -1/3x +8 * (1 Point)

- Parallel
- Perpendicular
- Neither

4

Determine if the following equations are parallel, perpendicular, or neither:
y -2 = -4(x+1) and y+1=-4(x+9) * (1 Point)

- Parallel
- Perpendicular
- Neither

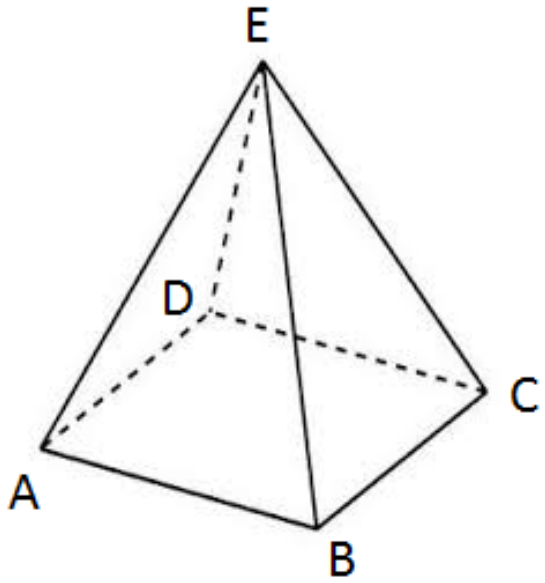
5

Determine if the following lines are parallel, perpendicular, or neither:
AB if point A is at (-4,4) and B (8,8) and CD if C is at point (-2,8) and D (2, -4)
* (1 Point)

- Parallel
- Perpendicular
- Neither

6

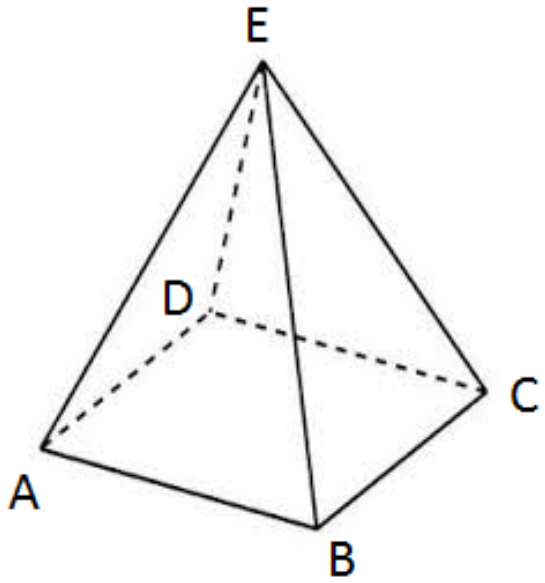
Which line segment is skew to line segment BC? * (1 Point)



- AD
- AE
- BE

7

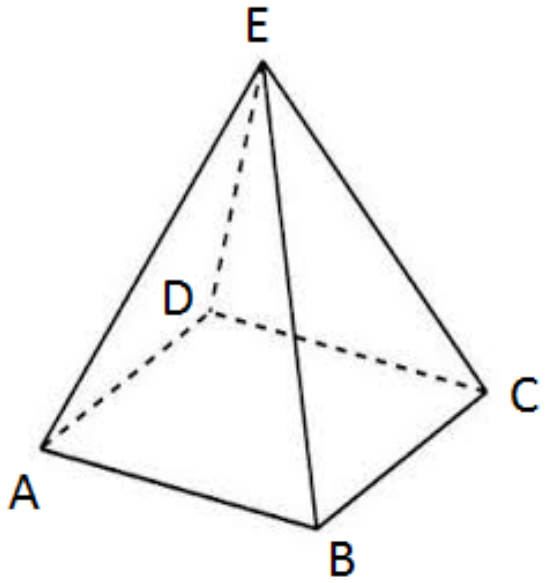
Which line segment is parallel to line segment BC? * (1 Point)



- ◯ AD
- ◯ AE
- ◯ BE

8

Which line segment is intersecting to line segment BC? * (1 Point)



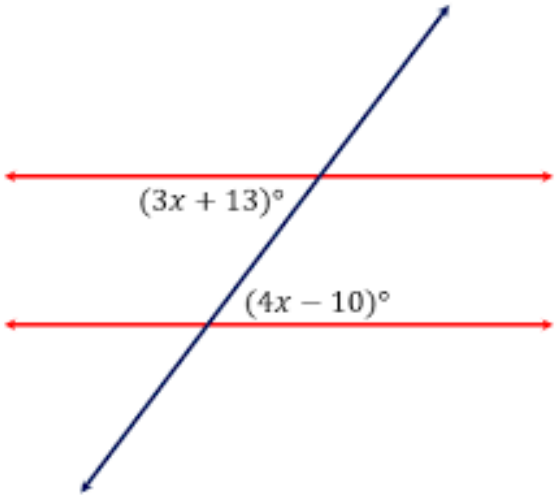
- AD
- AE
- BE

9

Point C is the midpoint of AB. Point B is between points A and D. If AD=20 and BD = 12, what is the length of CD? * (1 Point)

10

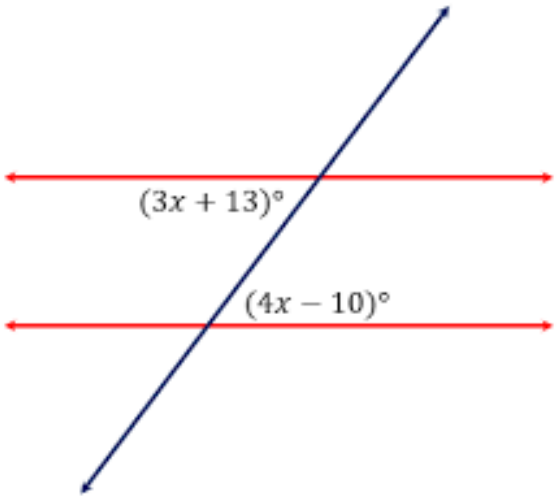
What is the value of x? *
(1 Point)



11

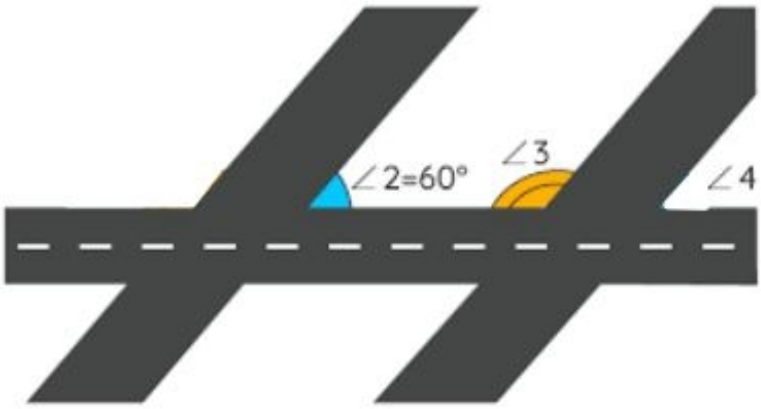
What is the value of the each angle?

*Just put one answer since they are the same degrees. *
(1 Point)



12

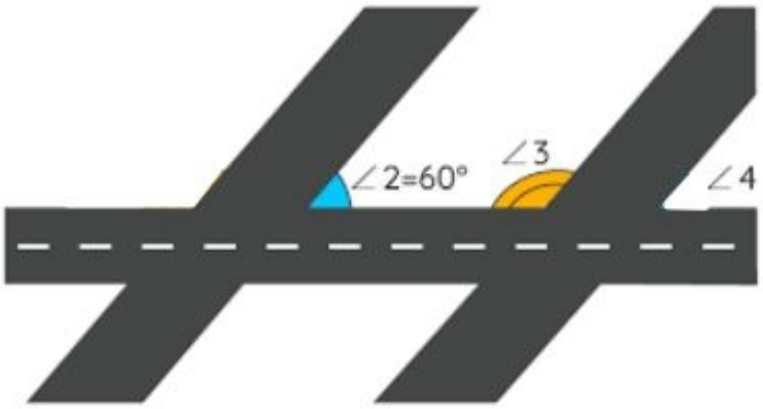
What kind of angles are angle 2 and 3? * (1 Point)



- ◯ Consecutive Interior Angles
- ◯ Alternate Interior Angles
- ◯ Corresponding Angles
- ◯ Alternate Exterior Angles

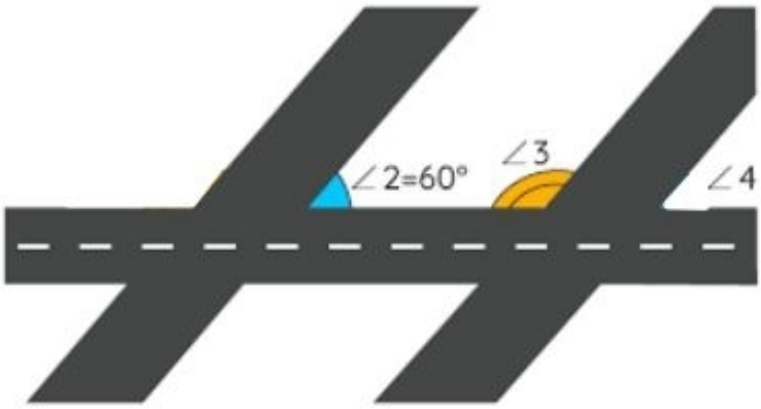
13

What is the measure of angle 3? * (1 Point)



14

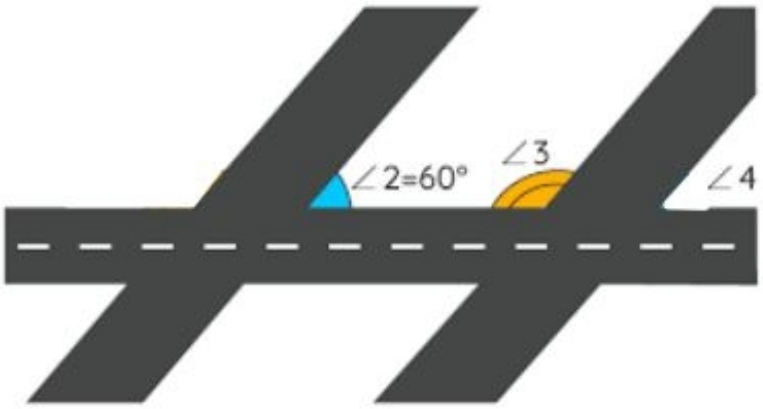
What kind of angles are angle 2 and 4? * (1 Point)



- ◯ Consecutive Interior Angles
- ◯ Alternate Interior Angles
- ◯ Corresponding Angles
- ◯ Alternate Exterior Angles

15

What is the measure of angle 4? * (1 Point)



16

Write the equation of a line in slope-intercept form (y=mx+b) of a line perpendicular to y=-1/2x +3 going through point (-3,-2).

*Do not use any spaces in your answer it should be in the format of y=mx+b * (1 Point)

17

Write the equation of a line (in slope intercept form y=mx+b) that is parallel to the line y=x+2 that passes through the point (-3,2).

*Do not use any spaces in your answer it should be in the format of y=mx+b * (1 Point)

18

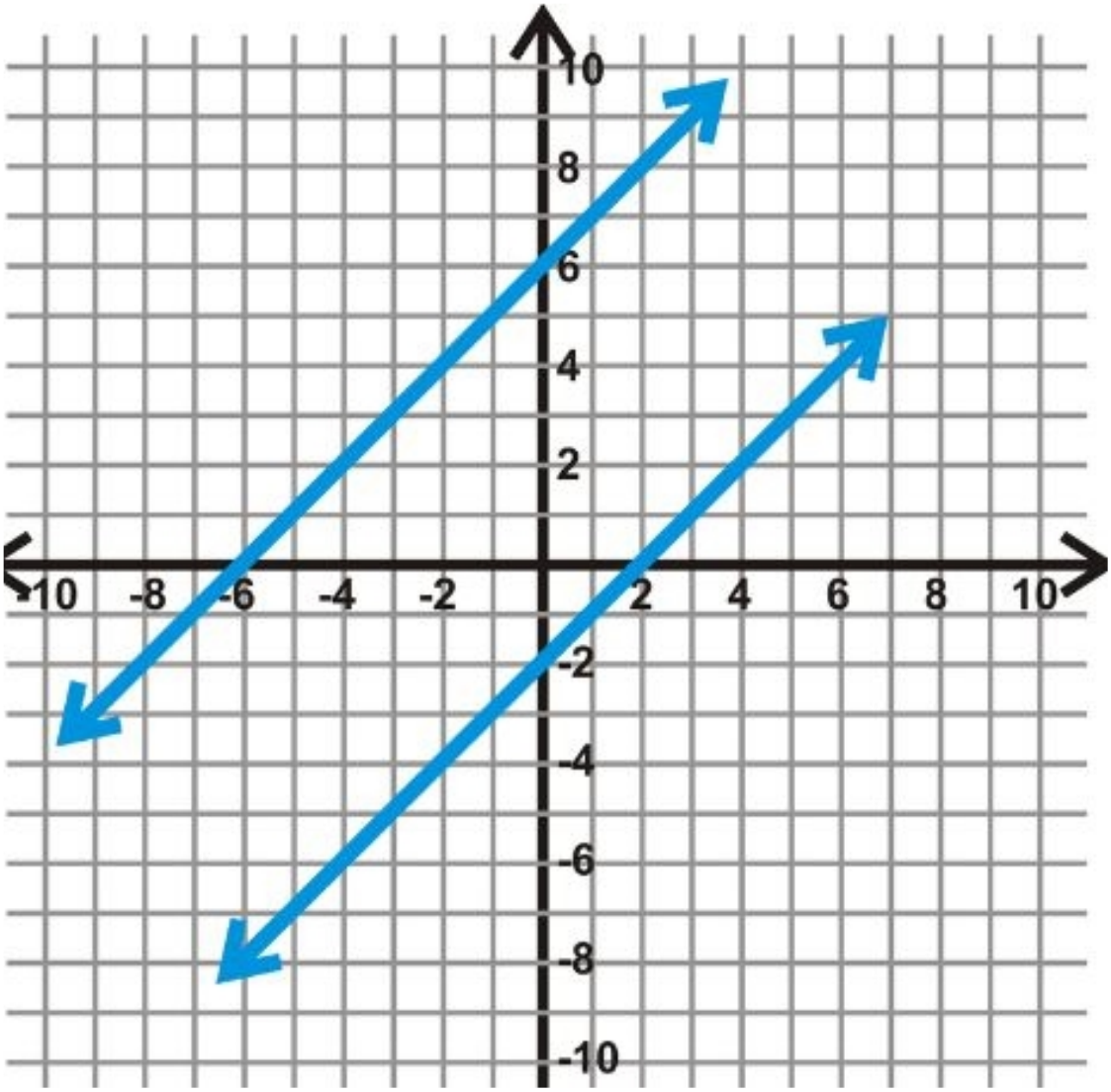
What is the shortest distance between the line y=3x +1 and the point (6, -1). Round to the nearest hundredth.

*Also make sure you know how to simplify the original square root (radical) answer. * (1 Point)

19

What is the distance between these parallel lines? Round to the nearest tenths place.

*Also know how to simplify the answer in simplest radical form. * (1 Point)



20

True or False: When completing Proofs the very first step is the information from what is "Given" and the last step is always what it is being asked to prove.

*Make sure to know the following information for the test when completing proofs: complementary, supplementary, angle addition, definition of a straight angle, definition of a right angle, substitution property, linear pair, transitive property, definition of congruence, midpoint theorem, subtraction and division property. * (1 Point)

- ◯ True
- ◯ False

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