

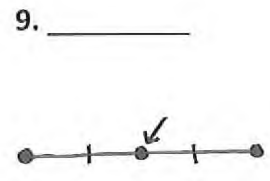
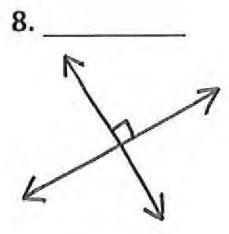
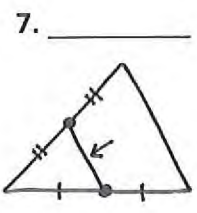
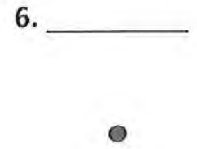
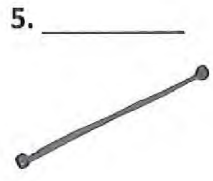
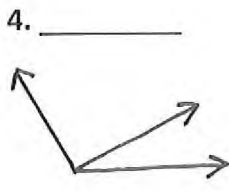
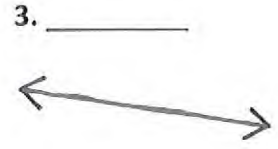
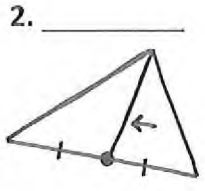
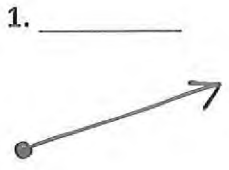
Unit 1 Vocabulary Quiz

$\frac{32}{100} = \frac{100}{50}$

Name: \_\_\_\_\_

Matching: Match each term to the correct illustration. Write the letter corresponding to the term on the line beside the problem number.

- A. Point
- E. Line Segment
- I. Perpendicular Lines
- B. Line
- F. Adjacent Angles
- J. Midsegment
- C. Ray
- G. Midpoint
- K. Median
- D. Angle
- H. Parallel Lines
- L. Linear Pair



True or False: Circle T for true or F for false.

- 10. The medians of a triangle all meet at a point called the centroid. T    F
- 11. If two angles are supplementary, then the angles add up to equal 90 degrees. T    F
- 12. To bisect "something" means to divide it into two congruent parts. T    F
- 13. Point B is in between A and C. The Segment Addition Postulate states that  $AB + BC = AC$ . T    F
- 14. The angle bisector is a ray, line or segment that divides an angle into 3 congruent angles. T    F

15. Circle the theorem/postulate(s) that states that the pair of angles are congruent. (Circle all that apply.)

- a. Same-Side Interior Angles Postulate
- b. Alternate Interior Angles Theorem
- c. Corresponding Angles Theorem
- d. Vertical Angles Theorem
- e. Linear Pair Theorem

16. Circle the theorem/postulate(s) that states that the pair of angles are supplementary. (Circle all that apply.)

- a. Same-Side Interior Angles Postulate
- b. Alternate Interior Angles Theorem
- c. Corresponding Angles Theorem
- d. Vertical Angles Theorem
- e. Linear Pair Theorem

\_\_\_\_ / 19 pts

Fill in the blanks using the word bank below. (All of the words may not be used; some words may be used more than once.)

Isosceles Triangle	Twice	Triangle Midsegment	equal
Proportionally	Rigid Motions	Base Angles	Similarly
Equidistant	Vertex Angles	Triangle Sum	Half
Perpendicular Bisector	Triangle Proportionality	Similarity Transformations	

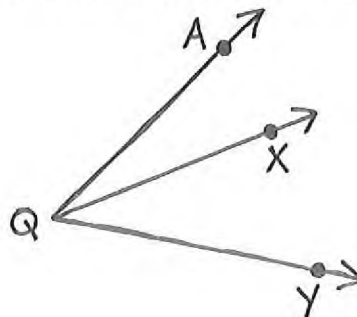
17. The \_\_\_\_\_ Theorem states that the sum of the interior angles of a triangle is 180 degrees.
18. Two figures are similar if there is a sequence of \_\_\_\_\_ that maps one figure onto the other.
19. The \_\_\_\_\_ Theorem states that a midsegment is parallel to the third side of the triangle and \_\_\_\_\_ the length of the third side.
20. The \_\_\_\_\_ Theorem states that if a line parallel to a side of a triangle intersects the other two sides, then it divides those sides \_\_\_\_\_.
21. The \_\_\_\_\_ Theorem states that the \_\_\_\_\_ in an isosceles triangle are congruent.
22. Two figures are congruent if there is a sequence of \_\_\_\_\_ that maps one onto the other.
23. The \_\_\_\_\_ Theorem states that a point on the perpendicular bisector of a segment is \_\_\_\_\_ from the segment's endpoints.

**Multiple Choice: Select the correct response for each question.**

24. What does CPCTC mean?
- Congruent Parts of Corresponding Triangles are Corresponding
  - Corresponding Parts of Congruent Triangles are Corresponding
  - Congruent Parts of Congruent Triangles are Congruent
  - Corresponding Parts of Corresponding Triangles are Corresponding
  - The correct answer is not listed.

25. Consider the illustration to the right. Which statement below correctly applies the Angle Addition Postulate?

- $\angle A Q X = \angle X Q Y$
- $\angle A Q X + \angle A Q Y = \angle X Q Y$
- $\angle A Q X + \angle X Q Y = \angle A Q Y$
- $\angle A Q Y + \angle X Q Y$
- The correct answer is not listed.



\_\_\_ / 13 pts



Unit 1 Vocabulary Quiz

$\frac{32}{29} = \frac{100}{29} = \frac{50}{29}$

Name: Key

9 pts

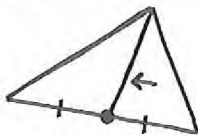
Matching: Match each term to the correct illustration. Write the letter corresponding to the term on the line beside the problem number.

- A. Point
- B. Line
- C. Ray
- D. Angle
- E. Line Segment
- F. Adjacent Angles
- G. Midpoint
- H. Parallel Lines
- I. Perpendicular Lines
- J. Midsegment
- K. Median
- L. Linear Pair

1. C



2. K



3. B



4. F (maybe D)



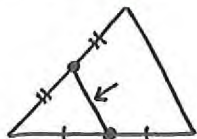
5. E



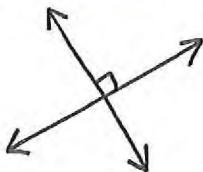
6. A



7. J



8. I



9. G



5 pts

True or False: Circle T for true or F for false.

- 10. The medians of a triangle all meet at a point called the centroid. (T)
- 11. If two angles are supplementary, then the angles add up to equal 90 degrees. (F)
- 12. To bisect "something" means to divide it into two congruent parts. (T)
- 13. Point B is in between A and C. The Segment Addition Postulate states that  $AB + BC = AC$ . (T)
- 14. The angle bisector is a ray, line or segment that divides an angle into 3 congruent angles. (F)



1 1/2 pts

15. Circle the theorem/postulate(s) that states that the pair of angles are congruent. (Circle all that apply.)

- a. Same-Side Interior Angles Postulate
- b. Alternate Interior Angles Theorem
- c. Corresponding Angles Theorem
- d. Vertical Angles Theorem
- e. Linear Pair Theorem

1 1/2 pts

16. Circle the theorem/postulate(s) that states that the pair of angles are supplementary. (Circle all that apply.)

- a. Same-Side Interior Angles Postulate
- b. Alternate Interior Angles Theorem
- c. Corresponding Angles Theorem
- d. Vertical Angles Theorem
- e. Linear Pair Theorem

16 / 19 pts

11 pts Fill in the blanks using the word bank below. (All of the words may not be used; some words may be used more than once.)

Isosceles Triangle	Twice	Triangle Midsegment	equal
Proportionally	Rigid Motions	Base Angles	Similarly
Equidistant	Vertex Angles	Triangle Sum	Half
Perpendicular Bisector	Triangle Proportionality	Similarity Transformations	

17. The Triangle Sum Theorem states that the sum of the interior angles of a triangle is 180 degrees.
18. Two figures are similar if there is a sequence of similarity transformations that maps one figure onto the other.
19. The Triangle Midsegment Theorem states that a midsegment is parallel to the third side of the triangle and half the length of the third side.
20. The Triangle Proportionality Theorem states that if a line parallel to a side of a triangle intersects the other two sides, then it divides those sides proportionally.
21. The Isosceles Triangle Theorem states that the base angles in an isosceles triangle are congruent.
22. Two figures are congruent if there is a sequence of rigid motions that maps one onto the other.
23. The Perpendicular Bisector Theorem states that a point on the perpendicular bisector of a segment is equidistant from the segment's endpoints.

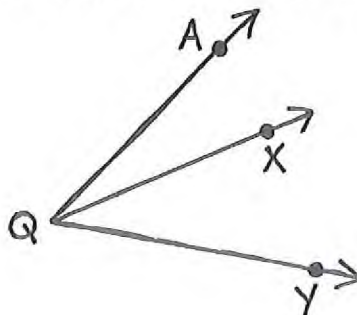
2 pts Multiple Choice: Select the correct response for each question.

24. What does CPCTC mean?

- a. Congruent Parts of Corresponding Triangles are Corresponding
- b. Corresponding Parts of Congruent Triangles are Corresponding
- c. Congruent Parts of Congruent Triangles are Congruent
- d. Corresponding Parts of Corresponding Triangles are Corresponding
- e. The correct answer is not listed.

25. Consider the illustration to the right. Which statement below correctly applies the Angle Addition Postulate?

- a.  $\angle A Q X = \angle X Q Y$
- b.  $\angle A Q X + \angle A Q Y = \angle X Q Y$
- c.  $\angle A Q X + \angle X Q Y = \angle A Q Y$
- d.  $\angle A Q Y + \angle X Q Y$
- e. The correct answer is not listed.



\_\_\_ / 13 pts