



Answer Key: Pages 3-5

Points, lines and planes

1. Point lines are planes that can best be described as _____ concepts in geometry.
2. Write the notation of a line going through point T to point M.
3. How many points does a line contain?
4. Write the notation of line going through point E to point F.
5. A plane contains _____.

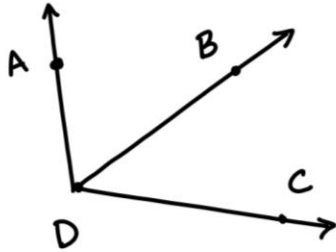
Line segments, rays

6. Write the notation of line segment from point E to point F.
7. In your words describe the difference between the symbols of a line and line segment.
8. Write the notation of ray that starts from point X and goes through point Y.
9. The vertex of a ray is _____.
10. We call the location of where two rays intersect a _____.

Angles

11. Define an acute angle.
12. Is a right angle considered an obtuse angle?
13. How many degrees does a straight line contain?
14. An angle that is 90 degrees is called a _____.

15. Name all the angles (using proper notation) of the figure below and classify each as acute or obtuse.



Theorems and postulates

16. Define a postulate in your words
17. What is a theorem and how is different than a postulate?

Answer Key

Points, lines and planes

1. Point lines are planes can best be described as **undefined** concepts in geometry?
2. Write the notation of a line going through point T to point M.



3. How many points does a line contain? **Infinitely amount**
4. Write the notation of line going through point E to point F.



5. A plane contains **points and lines**.

Line segments, rays

6. Write the notation of line segment from point E to point F.



7. In your words describe the difference between the symbols of a line and line segment?

The notation with a line has two arrows at the end

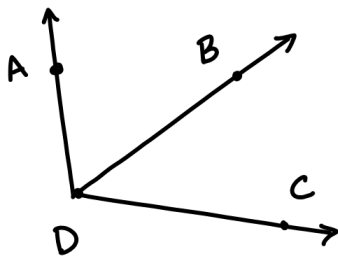
8. Write the notation of ray that starts from point X and goes through point Y



9. The vertex of a ray is the point where the ray starts.
10. We call the location of where two rays intersect a point.

Angles

11. Define an acute angle. An angle less than 90 degrees
12. Is a right angle considered an obtuse angle? No
13. How many degrees does a straight line contain? 180 degrees
14. An angle that is 90 degrees is called a right angle.
15. Name all the angles(using proper notation) of the figure below and classify each as acute or obtuse



$\angle ADB$, $\angle ADC$, $\angle BDC$ $\angle ADB$ (acute)
 $\angle BDC$ (acute), $\angle ADC$ (obtuse)

Theorems and postulates

16. Define a postulate in your words

A postulate is a mathematical law that we cannot prove as true however because it appears to be true we accept as fact

17. What is a theorem and how is different than a postulate?

A theorem is a mathematical law that we can prove using postulates