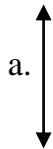


## 4.G.A.1 Geometric Terms (Part 1)

4.G.A.1: Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.

Give what is asked in each item and then write your answers on the space provided.

1. Name the figures shown below.



Answers:

a. \_\_\_\_\_ b. \_\_\_\_\_

2. Write the difference between line, ray, and line segment in terms of the number of their endpoints.

3. Name a geometric term that is represented by the following:

- |                    |       |                     |       |
|--------------------|-------|---------------------|-------|
| a. edge of a table | _____ | d. tip of a ballpen | _____ |
| b. railway         | _____ | e. edge of the roof | _____ |
| c. tip of a needle | _____ | f. a grain of sand  | _____ |

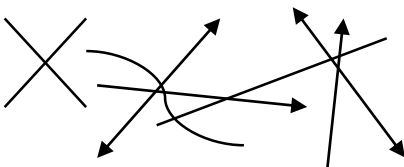
4. Name an object that represents the following geometric shapes.

- |         |       |                 |       |
|---------|-------|-----------------|-------|
| a. line | _____ | c. plane        | _____ |
| b. ray  | _____ | d. line segment | _____ |

5. What is the difference between a line segment and a ray in terms of the number of their endpoints?

6. How many line segments are there in a heptagon?

7. Count the number of line segments in the figures below.



Answer:

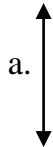
## 4.G.A.1 Geometric Terms (Part 1)

### Answer Key

4.G.A.1: Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.

Give what is asked in each item and then write your answers on the space provided.

1. Name the figures shown below.



b.

Answers:

a. line      b. point

2. Write the difference between line, ray, and line segment in terms of the number of their endpoints.

A line extends in both directions and has no endpoints. A ray has one endpoint and extends in the other direction without ending. A line segment has two endpoints and has a finite length.

3. Name a geometric term that is represented by the following:

- |                    |                     |                     |                     |
|--------------------|---------------------|---------------------|---------------------|
| a. edge of a table | <u>line segment</u> | d. tip of a ballpen | <u>point</u>        |
| b. railway         | <u>ray</u>          | e. edge of the roof | <u>line segment</u> |
| c. tip of a needle | <u>point</u>        | f. a grain of sand  | <u>point</u>        |

4. Name an object that represents the following geometric shapes.

- |         |                     |                 |                   |
|---------|---------------------|-----------------|-------------------|
| a. line | <u>fishing wire</u> | c. plane        | <u>blackboard</u> |
| b. ray  | <u>arrows</u>       | d. line segment | <u>pencil</u>     |

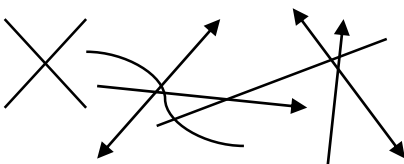
5. What is the difference between a line segment and a ray in terms of the number of their endpoints?

A line segment has 2 endpoints while a ray has 1.

6. How many line segments are there in a heptagon?

7

7. Count the number of line segments in the figures below.



Answer: 3