

Points Lines and Planes Bell Work

1. Complete the following statements.

- a. _____ has no dimension. It is usually represented by a small dot and named by a capital letter.
- b. _____ is usually represented by a straight line with no arrowheads to indicate that it has a fixed length.
- c. _____ is named by a capital script letter or 3 non-collinear points.

2. Which of the following statements is correct?

- a. Collinear points are points that lie on the same plane.
- b. If two distinct lines intersect, then they intersect in exactly one point.
- c. If two distinct planes intersect, then they intersect in exactly one line.

Multiple Choices

3. Which of the following does extend indefinitely without ending?

- a. Line
- b. Line segment
- c. Ray
- d. Opposite ray

4 Which of the following does not extend indefinitely without ending?

- a. Space
- b. Ray
- c. Line segment
- d. Line

5. How many lines can be drawn passing through two points?

- a. One
- b. Two
- c. Zero
- d. Infinite

Points Lines and Planes Bell Work

ANSWERS

1. Complete the following statements.

- a. A point has no dimension. It is usually represented by a small dot and named by a capital letter.
- b. A line segment is usually represented by a straight line with no arrowheads to indicate that it has a fixed length.
- c. A plane is named by a capital script letter or 3 non-collinear points.

2. Which of the following statements is correct?

- a. Collinear points are points that lie on the same plane. **F**
- b. If two distinct lines intersect, then they intersect in exactly one point. **T**
- c. If two distinct planes intersect, then they intersect in exactly one line. **T**

Multiple Choices

3. Which of the following does extend indefinitely without ending?

- a. Line
- b. Line segment
- c. Ray
- d. Opposite ray

4 Which of the following does not extend indefinitely without ending?

- a. Space
- b. Ray
- c. Line segment
- d. Line

5. How many lines can be drawn passing through two points?

- a. One
- b. Two
- c. Zero
- d. Infinite