Section-01-01-GeometricDefinitions

Multiple Choice
Identify the choice that best completes the statement or answers the question.

___ 1. In Euclidean geometric terms, which of the below would be the best description of a **LINE**?
   a. It is a straight object that begins at a point and extends forever in one direction.
   b. It is a straight object that extends infinitely in opposite directions without any width or thickness.
   c. It is a straight object that consists of all of the points that are equal distance from a common point.
   d. It is a straight object that consists of all of the points that exist between two different points.

___ 2. In Euclidean geometric terms, which of the below would be the best description of a **PLANE**?
   a. It could be described as a flat object with infinite length, infinite width, and infinite thickness
   b. It could be described as a flat object with infinite length and infinite width but no thickness.
   c. It could be described as a flat object with no width, no length, and no thickness.
   d. It could be described as an object with propellers.

___ 3. Which word best describes a set of 3 or more different points that are all on the same line.
   a. Accurate
   b. Line-up
   c. Collinear
   d. Sightline
4. Which word best describes two lines that are not in the same plane?
   a. Long Distance
   b. Parallel
   c. Skew
   d. Uncommon
   e. Perpendicular

5. Consider the diagram at the right. Which of the words below would geometrically best describe the relationship between the two blue objects that pass through point A?
   a. Upright
   b. Perpendicular
   c. Parallel
   d. Skew

6. Assume in the figure shown at the right that the solid is a rectangular prism.
   How would you best describe the relationship between the green (AD) and red (BC) lines?
   a. Aligned
   b. Parallel
   c. Perpendicular
   d. Skew
7. Which of the below figures most likely represents a set of points equidistant from a point in a plane?

a.  

b.  

c.  

d.  

8. Which group or set of points of the below choices are **collinear**?

a. Point A, Point B, Point C  

b. Point C, Point E, Point F  

c. Point B, Point C, Point D  

d. Point A, Point B, Point E
MULTIPLE CHOICE

1. ANS: B    PTS: 1
2. ANS: B    PTS: 1
3. ANS: C    PTS: 1
4. ANS: C    PTS: 1
5. ANS: B    PTS: 1
6. ANS: B    PTS: 1
7. ANS: C    PTS: 1
8. ANS: D    PTS: 1