

### III. EXERCISES

1 Fill in the blanks with the correct answer.

line    A    B    midpoint    line segment    endpoint    line segment

- a) The endpoints of line segment AB are \_\_\_\_\_ and \_\_\_\_\_
- b) A \_\_\_\_\_ goes on infinitely on both directions.
- c) The \_\_\_\_\_ of a segment is the point that divides the segment into 2 equal segments.
- d) A \_\_\_\_\_ is a part of a line with two endpoints.
- e) A line has no \_\_\_\_\_
- f) A \_\_\_\_\_ is a finite set of points on a straight path.

3 Fill in the blanks with the correct answer.

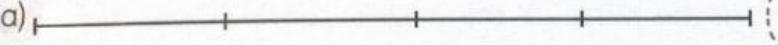
Parallel lines;

Perpendicular lines;

Intersecting lines

- a) \_\_\_\_\_ meet or cross over at a common point.
- b) \_\_\_\_\_ are always the same distance apart.  
They will never cross.
- c) \_\_\_\_\_ are special intersecting lines. Where they cross, they form a right angle.

4 How many line segments are there?

- a)  Answer: \_\_\_\_\_
- b)  Answer: \_\_\_\_\_