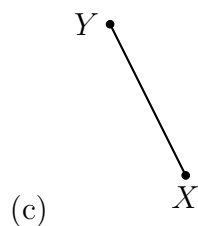
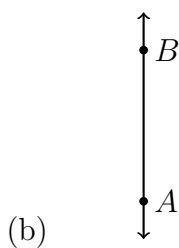
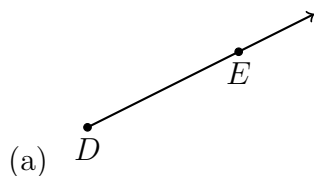


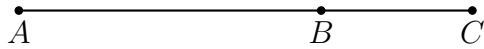
1.5 Classwork exercises

1. The points where a line segment begins and ends are the _____.
2. A(n) _____ is a portion of a line that includes two points and all of the collinear points between the two points.
3. A(n) _____ is a portion of a line that begins with a single point and extends infinitely in one direction.
4. Points that are all located on the same line are _____.
5. Two or more line segments of equal measure are _____.
6. A flat surface is a(n) _____.
7. A(n) _____ is a straight continuous arrangement of an infinite number of points.
8. Use symbols to write the name of each geometric figure.



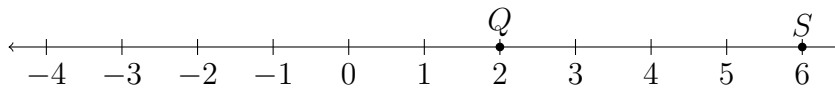
9. The points shown are in a straight line, \overline{ABC} . Given the lengths $AB = 4$ cm and $BC = 2$ cm.

(a) Calculate the length AC .



(b) Justify your answer.

10. Given \overleftrightarrow{QS} as shown on the number line.



- (a) In the given number line units, what is the distance between Q and S ? $QS =$
- (b) Mark the point R , the midpoint of \overline{QS} .
11. Given the line segment \overline{PQ} shown below. Answer the questions and complete as directed.
- (a) Measure the length of the segment in centimeters. $PQ =$
- (b) With a compass, draw a circle centered at P that passes through Q .
- (c) Draw a circle centered at Q that passes through P .

