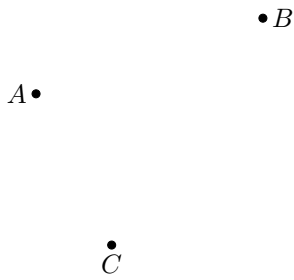


ELEMENTS OF GEOMETRY

A POINT

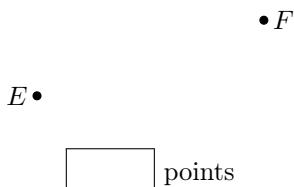
A.1 COUNTING NUMBER OF POINTS

Ex 1: Count the points in the figure.



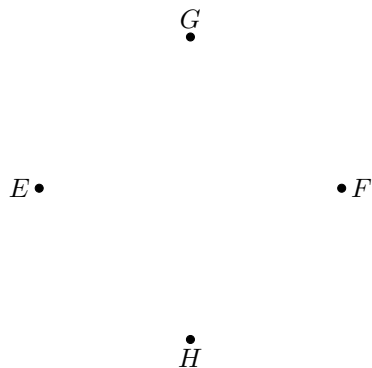
points

Ex 2: Count the points in the figure.



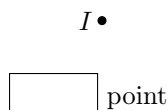
points

Ex 3: Count the points in the figure.



points

Ex 4: Count the points in the figure.



point

A.2 DRAWING POINTS

Ex 5: Using a pencil, draw a point and label it A .

Ex 6: Using a pencil, draw two points and label them A and B .

Ex 7: Using a pencil, draw three points and label them A , B , and C .

B LINES, SEGMENTS AND RAYS

B.1 RECOGNIZING

MCQ 8: Which term describes this figure?



Choose one answer:

- ☐ Line
- ☐ Line segment
- ☐ Ray

MCQ 9: Which term describes this figure?



Choose one answer:

- ☐ Line
- ☐ Line segment
- ☐ Ray

MCQ 10: Which term describes this figure?



Choose one answer:

- ☐ Line
- ☐ Line segment
- ☐ Ray

MCQ 11: Which term describes this figure?

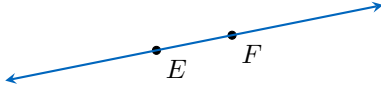


Choose one answer:

- ☐ Line
- ☐ Line segment
- ☐ Ray

B.2 NAMING

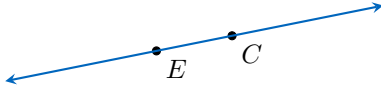
MCQ 12: Name the line represented in this figure:



Choose one answer:

- ☐ \overline{EF}
☐ \overleftrightarrow{EF}
☐ \overrightarrow{EF}

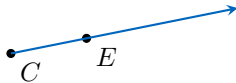
MCQ 13: Name the line represented in this figure:



Choose one answer:

- ☐ \overline{CE}
☐ \overleftrightarrow{CE}
☐ \overrightarrow{CE}

MCQ 14: Name the ray represented in this figure:



Choose one answer:

- ☐ \overline{CE}
☐ \overleftrightarrow{CE}
☐ \overrightarrow{CE}
☐ \overrightarrow{EC}

MCQ 15: Name the ray represented in this figure:



Choose one answer:

- ☐ \overline{EC}
☐ \overleftrightarrow{EC}
☐ \overrightarrow{CE}
☐ \overrightarrow{EC}

MCQ 16: Name the segment represented in this figure:

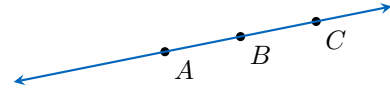


Choose one answer:

- ☐ \overline{EC}
☐ \overleftrightarrow{EC}

☐ \overrightarrow{EC}

MCQ 17: Name the line represented in this figure:



Choose all correct answers:

- ☐ \overleftrightarrow{AB}
☐ \overleftrightarrow{AC}
☐ \overleftrightarrow{BC}

B.3 DRAWING LINES, SEGMENTS AND RAYS

Ex 18: Using a ruler and pencil, draw a straight line passing through points A and B . Label both points clearly.



Ex 19: Using a ruler and pencil, draw a line segment passing through points A and B . Label both points clearly.



Ex 20: Using a ruler and pencil, draw a ray passing through points A and B . Label both points clearly.



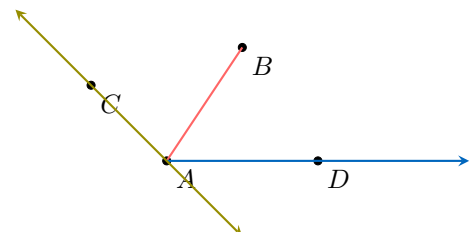
B.4 CHECKING A CONSTRUCTION PROGRAM

MCQ 21: A teacher gives these construction steps:

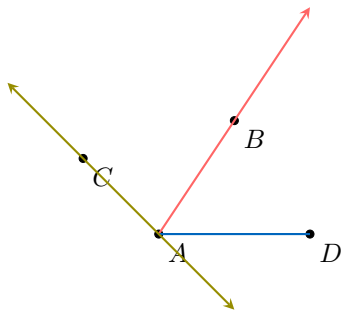
1. Draw points A , B , C , and D
2. Draw segment \overline{AB}
3. Draw line \overleftrightarrow{AC}
4. Draw ray \overrightarrow{AD}

Which student followed the instructions correctly? Select the correct answer:

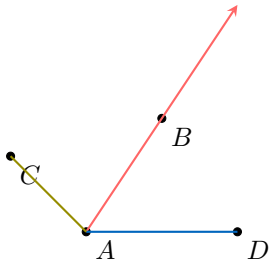
- ☐ Hugo



☐ Louis



☐ Vincent

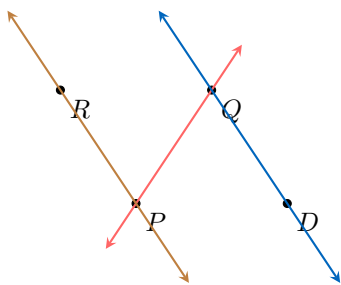


MCQ 22: A teacher gives these construction steps:

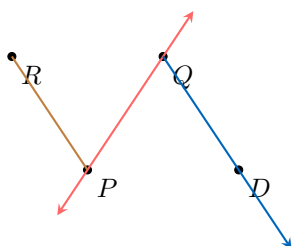
1. Draw points P , Q , R , and D
2. Draw segment \overline{PR}
3. Draw line \overleftrightarrow{PQ}
4. Draw ray \overrightarrow{QD}

Which student followed the instructions correctly? Select the correct answer:

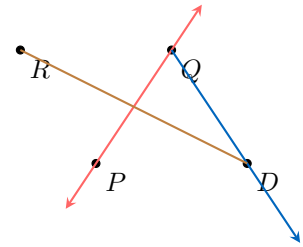
☐ Hugo



☐ Louis



☐ Vincent

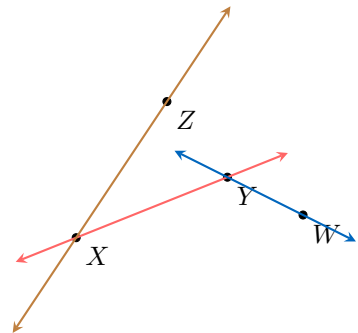


MCQ 23: A teacher gives these construction steps:

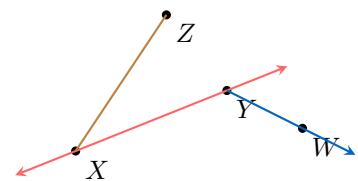
1. Draw points X , Y , Z , and W
2. Draw segment \overline{XZ}
3. Draw line \overleftrightarrow{XY}
4. Draw ray \overrightarrow{YW}

Which student followed the instructions correctly? Select the correct answer:

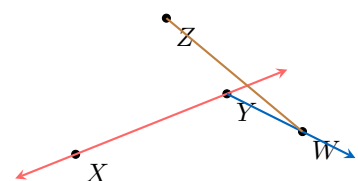
☐ Hugo



☐ Louis

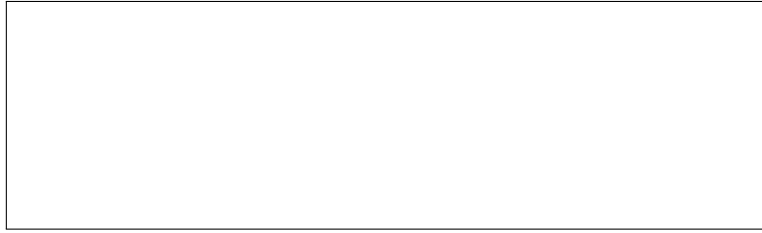


☐ Vincent



B.5 BUILDING GEOMETRIC FIGURES

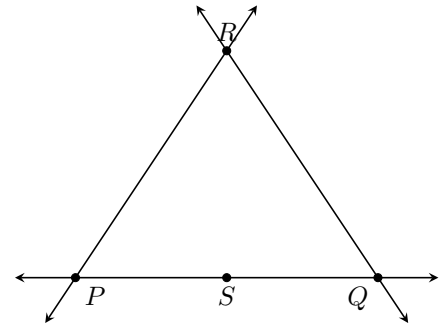
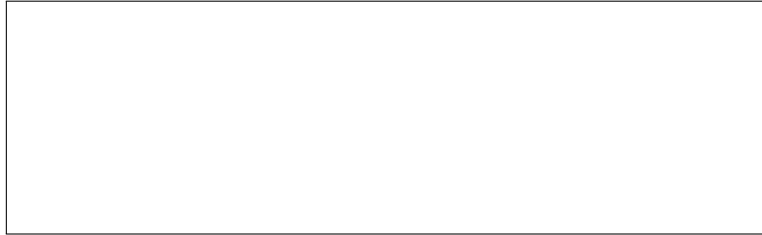
Ex 24: Using a ruler and pencil, draw three points A , B , and C , and the straight line \overleftrightarrow{AB} .



Ex 25: Using a ruler and pencil, draw three points A , B , and C , and the line segment \overline{AC} .



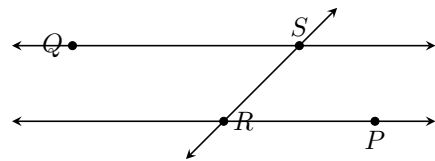
Ex 26: Using a ruler and pencil, draw three points A , B , and C , and the line segments \overline{AB} , \overline{BC} , and \overline{CA} .



Choose all correct points:

- ☐ P
- ☐ Q
- ☐ R
- ☐ S

MCQ 29: Pick the points where the lines intersect.



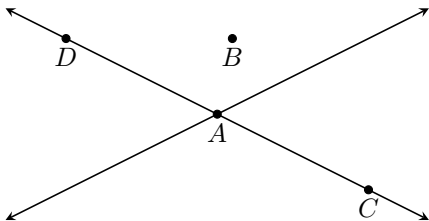
Choose all correct points:

- ☐ P
- ☐ Q
- ☐ R
- ☐ S

C INTERSECTION POINT

C.1 PICKING THE INTERSECTION POINTS

MCQ 27: Pick the point where the lines intersect.



Choose one point:

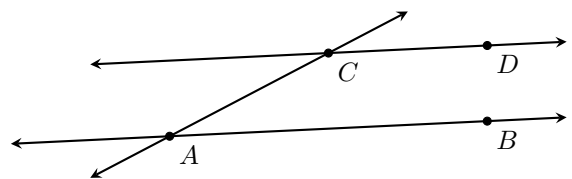
- ☐ A
- ☐ B
- ☐ C
- ☐ D

MCQ 28: Pick the points where the lines intersect.

D PARALLEL LINES

D.1 IDENTIFYING PARALLEL LINES

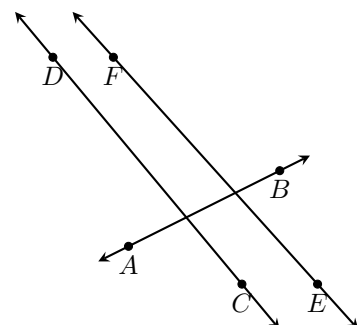
MCQ 30:



Choose the true statement:

- ☐ \overleftrightarrow{AB} is parallel to \overleftrightarrow{AC} .
- ☐ \overleftrightarrow{CD} is parallel to \overleftrightarrow{AC} .
- ☐ \overleftrightarrow{CD} is parallel to \overleftrightarrow{AB} .

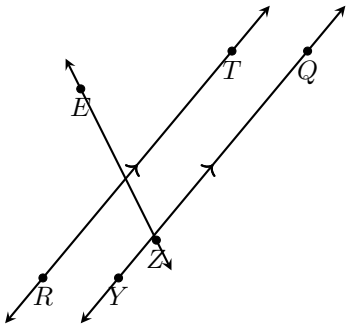
MCQ 31:



Choose the true statement:

- ☐ \overleftrightarrow{AB} is parallel to \overleftrightarrow{DC} .
- ☐ \overleftrightarrow{DC} is parallel to \overleftrightarrow{FE} .
- ☐ \overleftrightarrow{AB} is parallel to \overleftrightarrow{FE} .

MCQ 32:



Choose the true statement:

- ☐ \overleftrightarrow{ZE} is parallel to \overleftrightarrow{RT} .
- ☐ \overleftrightarrow{ZE} is parallel to \overleftrightarrow{YQ} .
- ☐ \overleftrightarrow{RT} is parallel to \overleftrightarrow{YQ} .

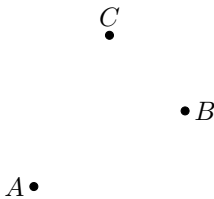
D.2 COUNTING POSSIBLE LINES

MCQ 33: How many lines can pass through points A and B ?



- ☐ 0
- ☐ 1
- ☐ Infinite

MCQ 34: How many lines can pass through points A , B , and C ?



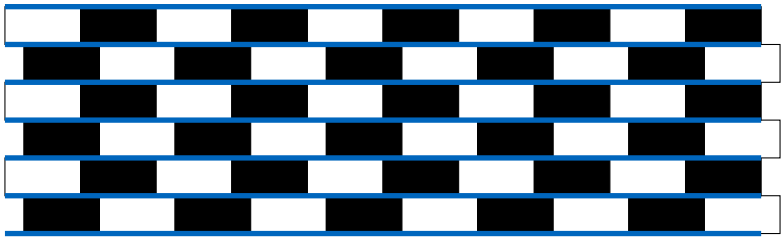
- ☐ 0
- ☐ 1
- ☐ Infinite

MCQ 35: How many lines can pass through point A ?



- ☐ 0
- ☐ 1
- ☐ Infinite

MCQ 36: Are the blue thick lines parallel?



- ☐ Yes
- ☐ No