



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 15.06.20

Duration: 40 min

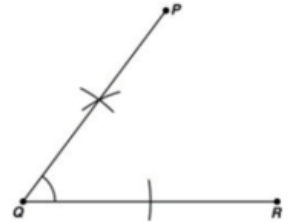
Worksheet 32

Full Marks: 15

BASIC CONSTRUCTIONS

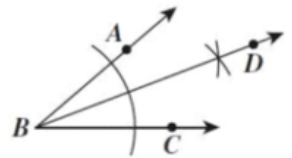
Choose the Correct options:

1. Duplicating an angle can be accomplished using a compass and a ruler. An example of duplicating Angle PQR is shown below. How many of the construction marks were made using a compass?



- A. 4
- B. 5
- C. 2
- D. 3

2. Amber constructed the ray BD as shown. Which of the following statements must be true?



- A. $BD = 2BA$
- B. $m\angle CBD = 2m\angle ABC$
- C. $BA = BC$
- D. $m\angle ABD = m\angle CBD$

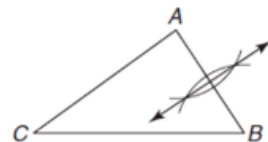
3. The drawing shows the arcs used to construct



- A. a bisector of a given line
- B. A bisector of a given angle
- C. A perpendicular of a given line at a point on the line
- D. An angle congruent to a given angle

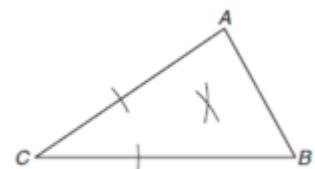
4. What line is constructed in the figure below?

- A. a line through C perpendicular to AB
- B. the perpendicular bisector of AB
- C. the bisector of $\angle C$
- D. a segment congruent to AB



5. What is being constructed in the figure?

- A. the perpendicular bisector of AB
- B. the line perpendicular to AB through C
- C. the line that bisects $\angle C$
- D. a line of symmetry for $\triangle ABC$



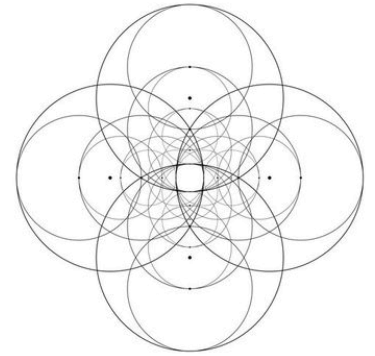
6. What is this?

- A. Compass
- B. Circle creator
- C. Pencil swingy-thing
- D. Arc maker

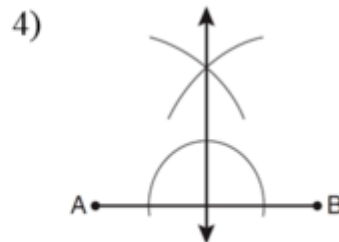
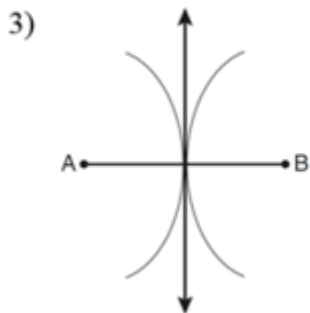
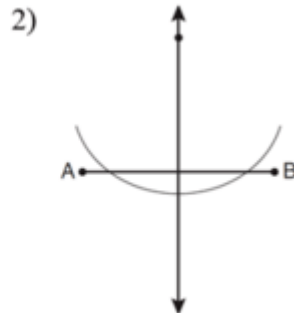
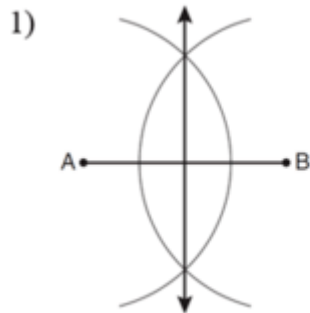


7. A compass is used to create geometric shapes and drawings. What are these drawings called?

- A. Constructions
- B. Accurate drawings
- C. Geometric sketches
- D. Cool shapes

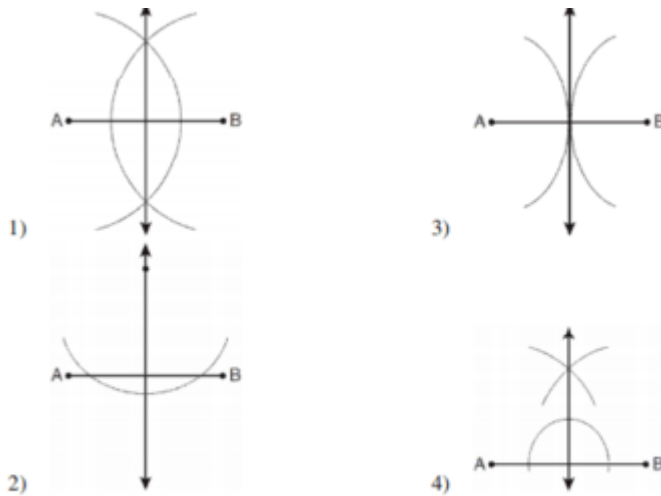


8. Which one is the correct construction for a perpendicular bisector?



- A. 1
- B. 2
- C. 3
- D. 4

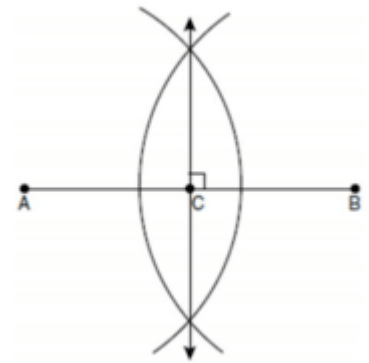
9. Which diagram shows the construction of the perpendicular bisector of AB?



- A. 1
- B. 2
- C. 3
- D. 4

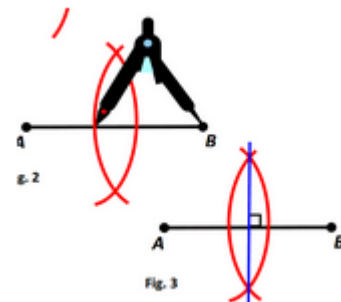
10. The diagram below shows the perpendicular bisector of AB. Which statement is not true?

- A. $AC = CB$
- B. $CB = \frac{1}{2} AB$
- C. $AC = 2 AB$
- D. $AC + CB = AB$



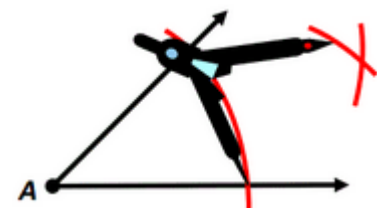
11. Name the construction.

- A. Angle bisector
- B. Perpendicular line to a point not on a line
- C. Perpendicular line to a point on the line
- D. Perpendicular bisector of a line segment



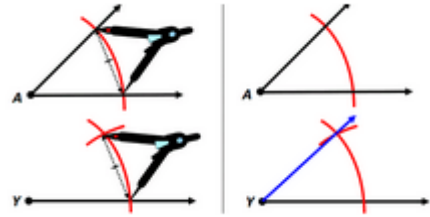
12. Name the construction.

- A. Angle bisector
- B. Perpendicular line to a point not on a line
- C. Angle median
- D. Perpendicular bisector of a line segment



13. Name the construction.

- A. Angle bisector
- B. Di-sect an angle
- C. Copy an angle
- D. Vertical angles



14. What was duplicated?

- A. line
- B. line segment
- C. ray
- D. angle



15. What type of construction do you see?

- A. midpoint
- B. angle bisector
- C. perpendicular bisector
- D. altitude

