Constructions Review 1


1 2 3 4 5 6 7 8 9 10 11 12
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

CONSTRUCTIONS

1. **Duplicating a segment**
2. **Adding and Subtracting segments**
3. **Equilateral Triangle**
4. **60° Angle**
5. **Isosceles Triangle**

CONSTRUCTIONS

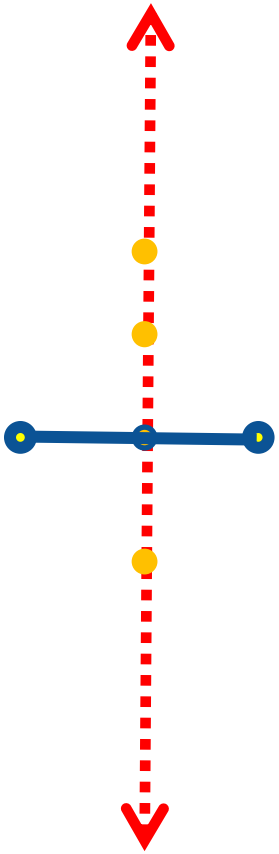
6. **Duplicating an angle**
7. **Adding angles**
8. **Duplicate Triangle**

CONSTRUCTIONS

9. Perpendicular Bisector
10. Angle Bisector
11. 90°
12. 30° (150°)
13. 45°
14. 22.5°
15. 105° (75°)
16. 120° (60°)

Perpendicular Bisector Theorem

If a point lies on the perpendicular bisector of a segment, then it is equidistant from the endpoints



Shortest Distance Postulate

The shortest distance from a point to a line is a perpendicular.

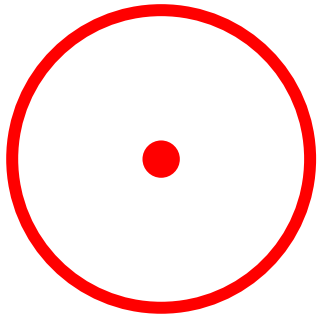
CONSTRUCTIONS

17. **Perpendicular from a point OFF a segment**
18. **Half of a segment**
19. **Median of a Triangle**
20. **Altitude of a Triangle**

CONSTRUCTIONS

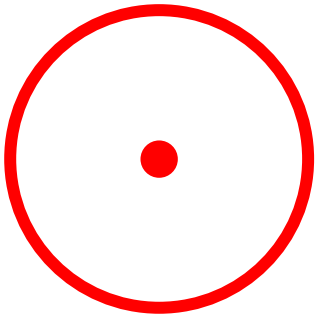
21. Circumcenter
22. Circumscribed Circle
23. Incenter
24. Inscribed Circle
25. Orthocenter
26. Centroid

Notes…



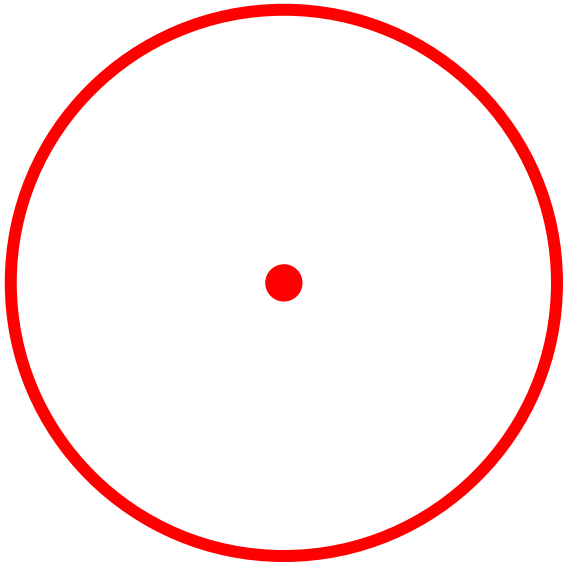
- When a circle is drawn inside another shape it is called an INSCRIBED CIRCLE.
- In order to draw an inscribed circle, you need to find the _____.

Notes…



- What is the relationship between an incenter and the sides of a triangle?

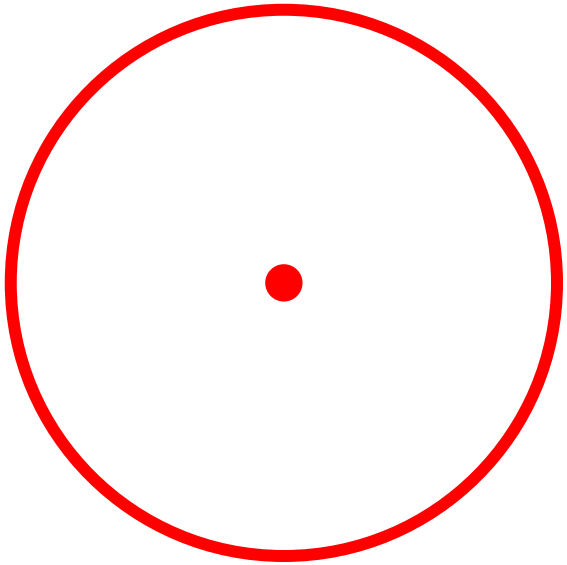
Notes…



- When a circle is drawn outside another shape it is called an CIRCUMSCRIBED CIRCLE.

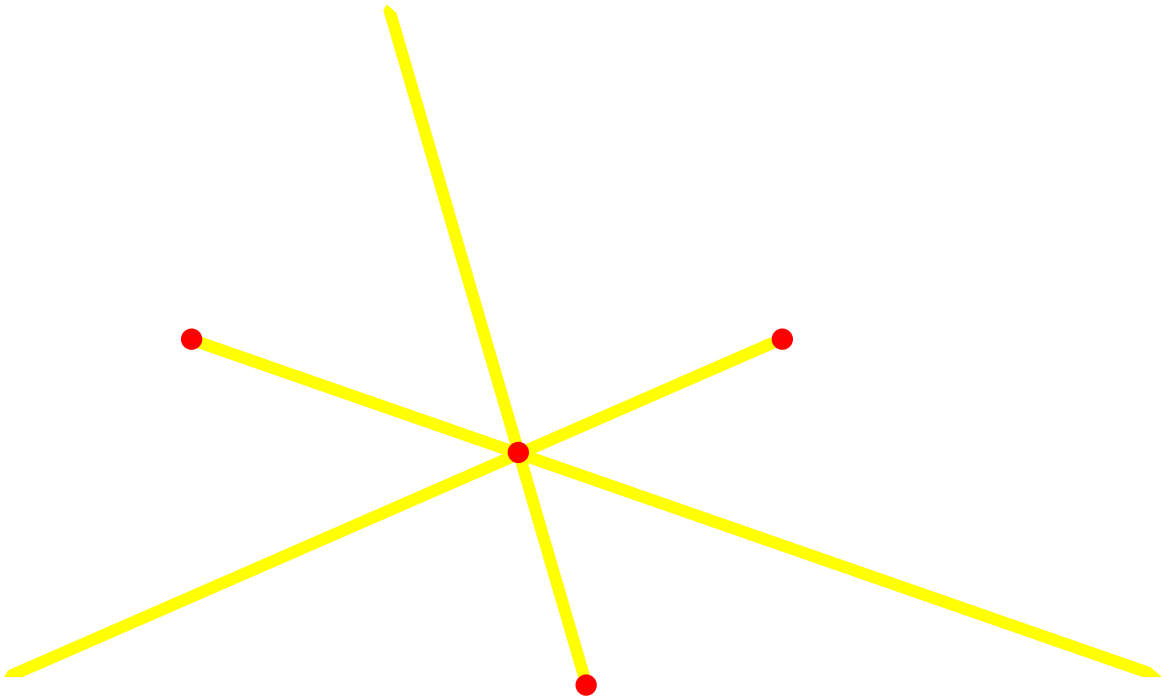
- In order to draw a circumscribed circle, you need to find the _____.

Notes…



- What is the relationship between an circumcenter and the sides of a triangle?

Notes...



CONSTRUCTIONS

27. **Perpendicular from a point OFF a segment**
28. **Parallel Lines (Perp to the Same Line Method)**
29. **Parallel Lines (Conv. CA Method)**
30. **Parallel Lines (Conv. AIA Method)**

CONSTRUCTIONS

31. Rhombus
32. Ordinary Parallelogram
33. Rectangle
34. Square