

Constructions Review 3



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. Rhombus (and Kite)

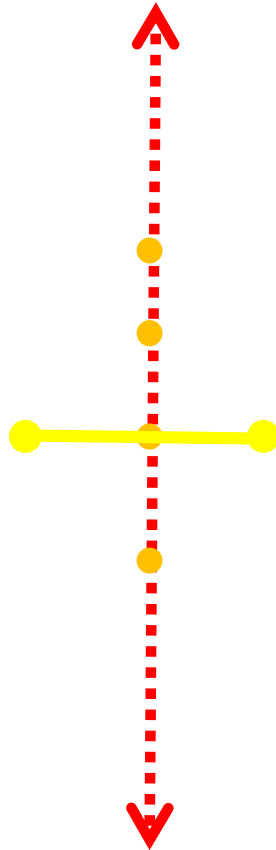
10. Perpendicular Bisector

11. Half of a segment

12. Median of a Triangle

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

- 13. Perpendicular from a point off a segment**
- 14. Perpendicular from a point on on a segment**
- 15. Altitude of a Triangle**

CONSTRUCTIONS

16. Angle Bisector

17. 90° Angle

18. 30° Angle

19. 45° Angle

20. 22.5° Angle

21. 105° Angle

22. 120° Angle

CONSTRUCTIONS

23. Parallel Lines (2 different methods)

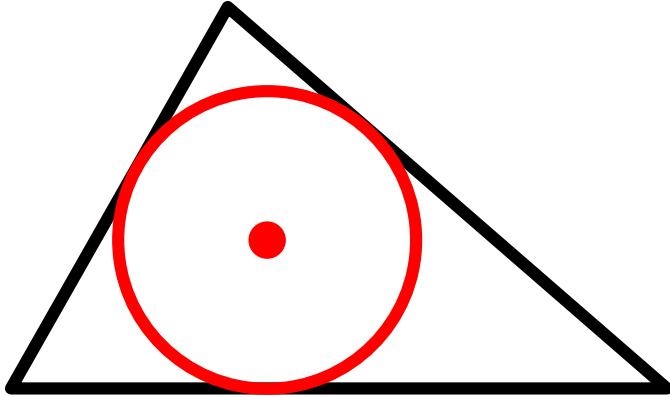
24. Parallelogram

25. Rectangle

26. Rhombus

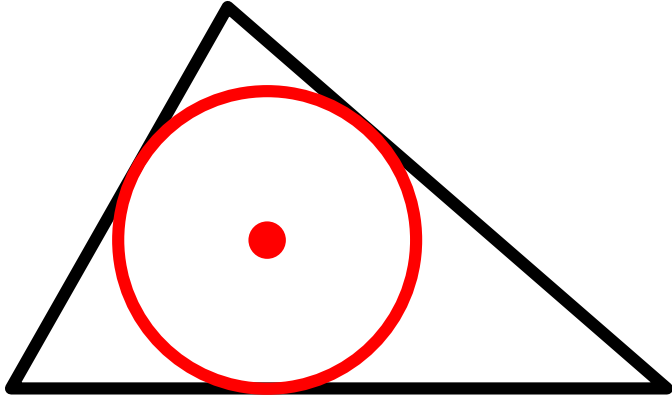
27. Square

Notes...



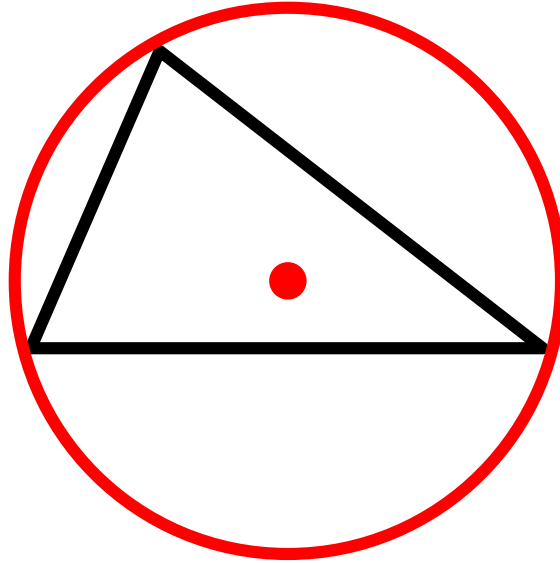
- **When a circle is drawn inside another shape it is called an **INSCRIBED CIRCLE**.**
- **In order to draw an inscribed circle, you need to find the _____.**

Notes...



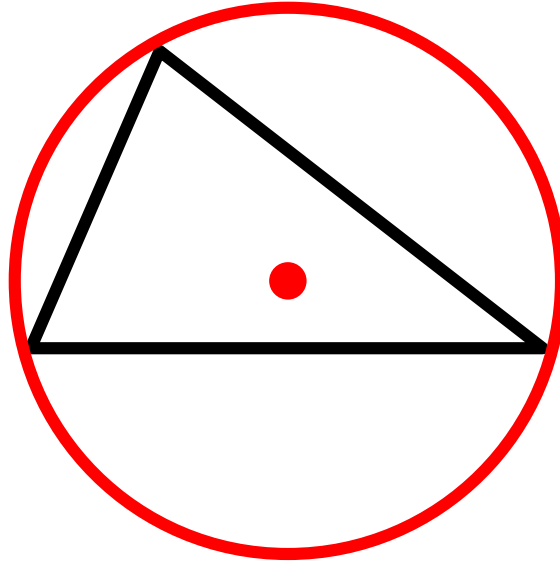
- **What is the relationship between an incenter and the sides of a triangle?**

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...

