

Unit 2 Overview

Be sure to study all notes and vocabulary!

Unit 2: Constructions

- Copy a Segment/Angle
- Bisect a segment
- Perpendicular Bisector
- Perpendicular Line through a point
- Equilateral Triangle
- Regular Hexagon (given a side)
- Hexagon Inscribed in a Circle
- Equilateral Triangle Inscribed in a Circle
- Parallel Line

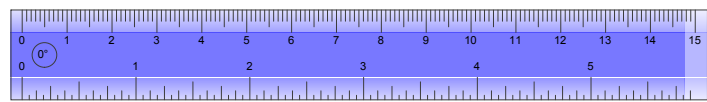
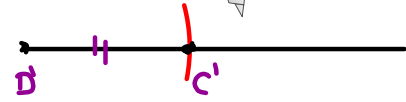
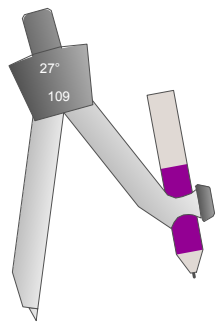
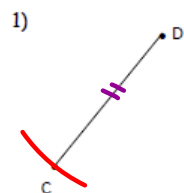
Test Layout

There will be 3 sections on this test:

- Unit 2 Multiple Choice
- Constructions
- Review Multiple Choice

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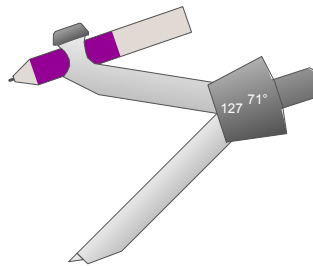
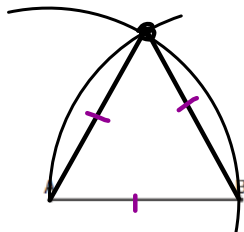
Construct the following congruent line segments.



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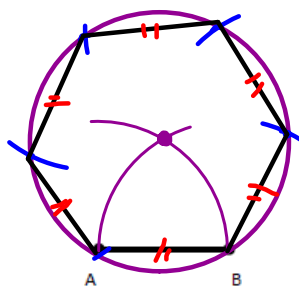
2)

Using a compass and straightedge, and \overline{AB} below, construct an equilateral triangle with all sides congruent to \overline{AB} . [Leave all construction marks.]



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3) Construct a regular hexagon with the given side length

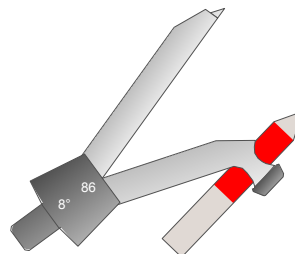


First, construct an equilateral triangle

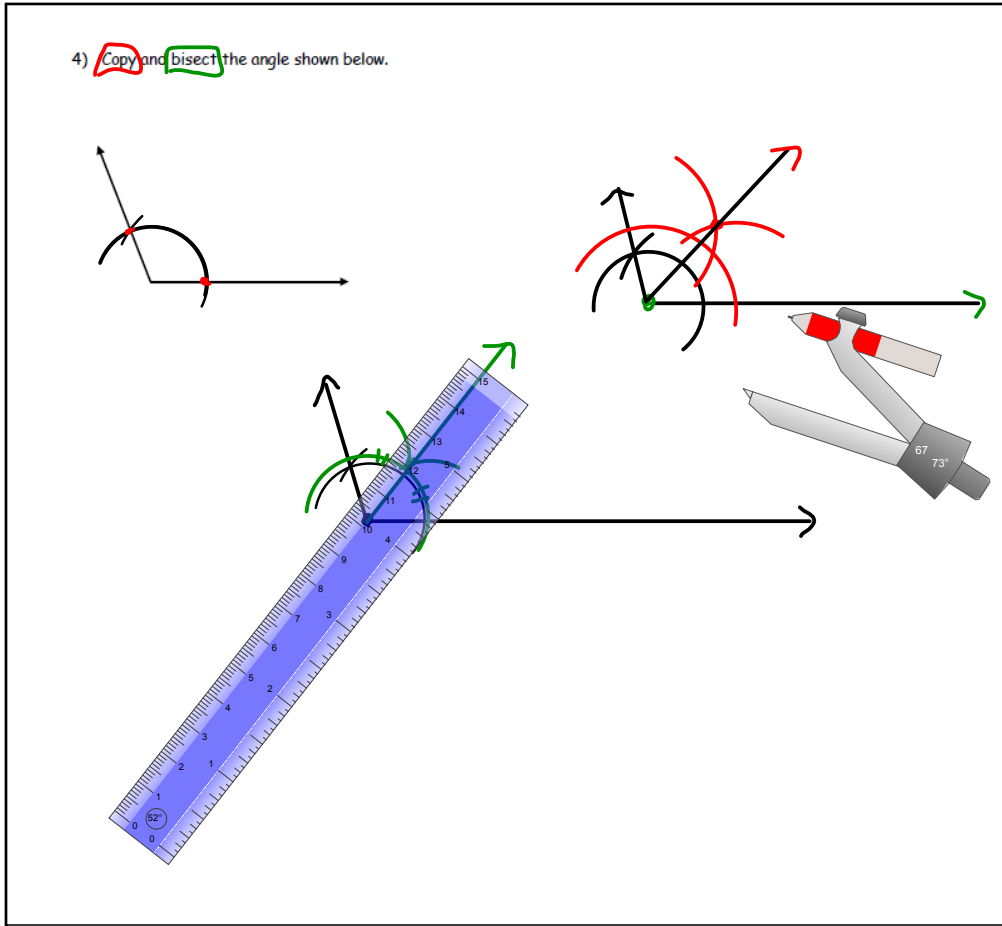
Second, construct a circle

Third, construct arcs around the circle. Then connect the points.

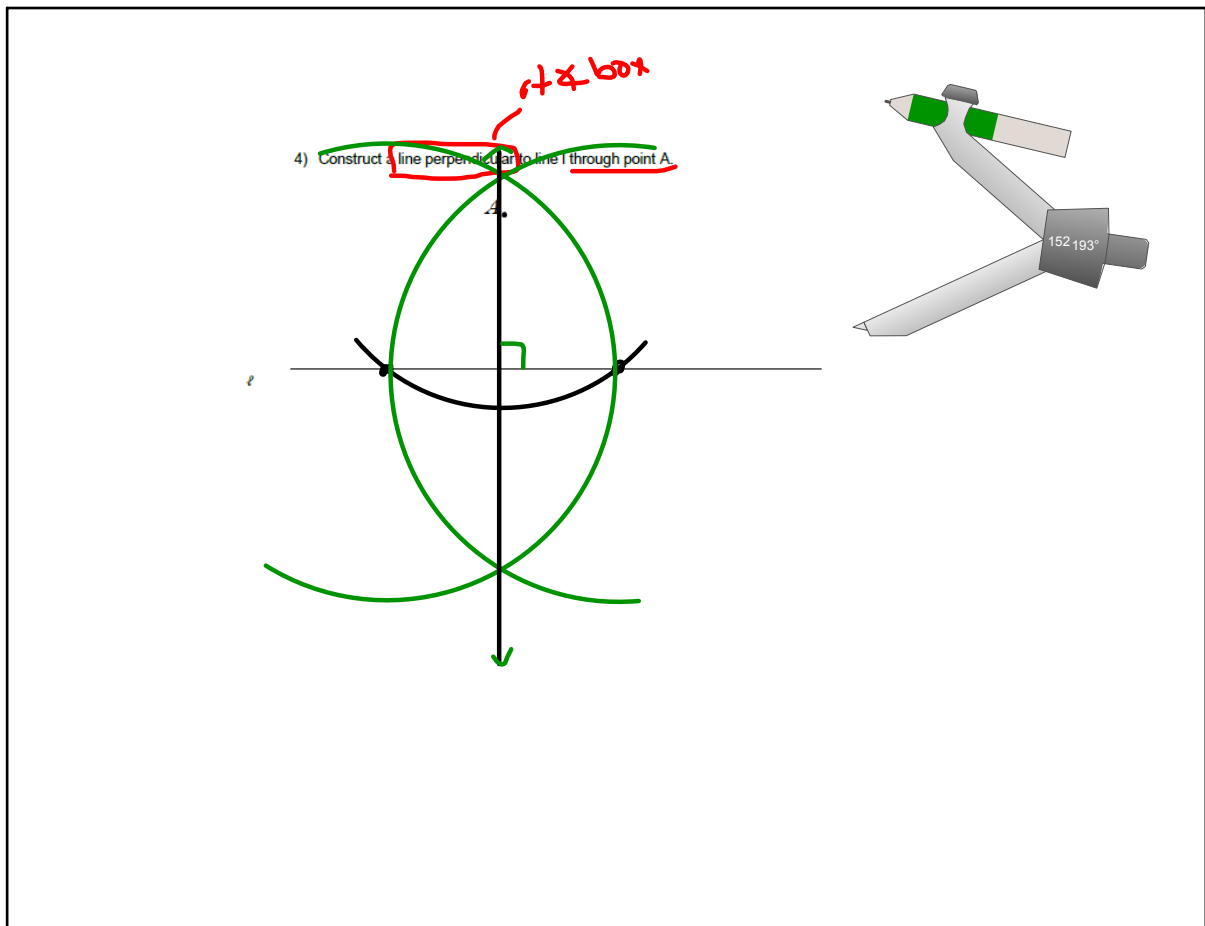
Lastly, put tick marks on all 6 sides.



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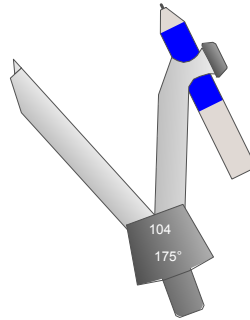
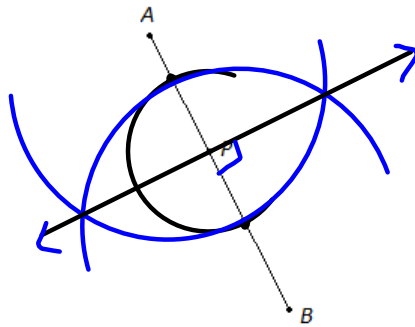


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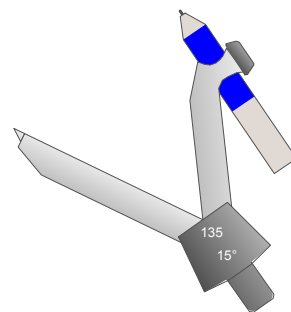
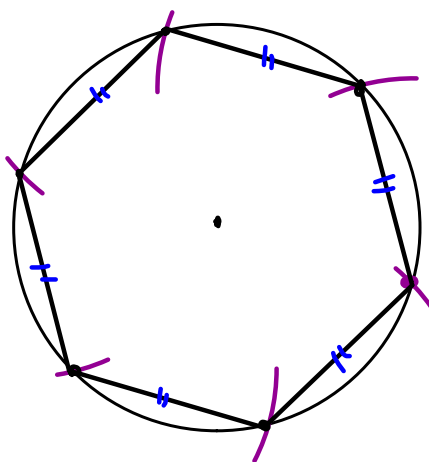
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5) Construct a line perpendicular to line segment AB through point P.



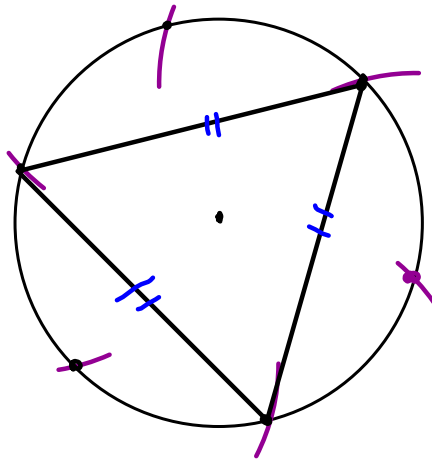
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6) Construct a Hexagon inscribed in a circle.



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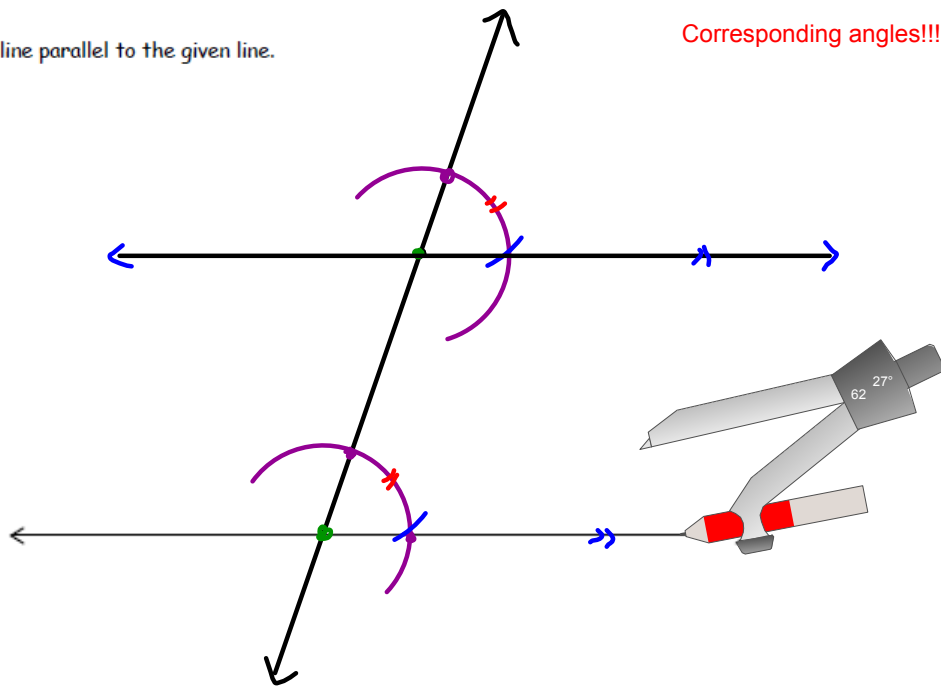
7) Construct an equilateral triangle inscribed in a circle.



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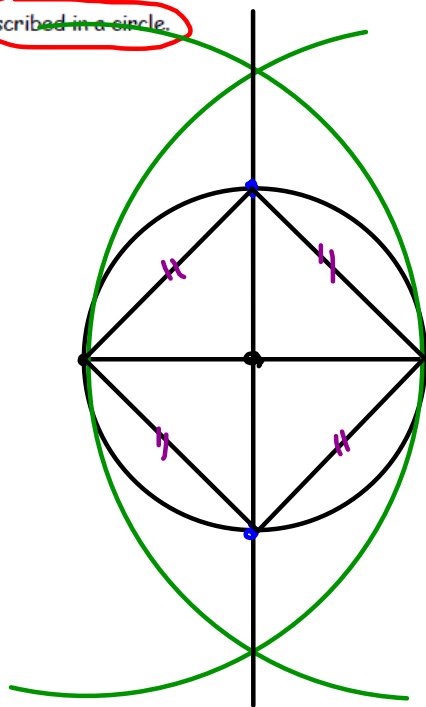
8) Construct a line parallel to the given line.

Corresponding angles!!!!

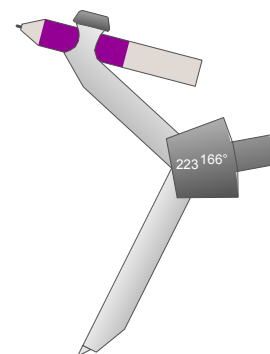


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9) Construct a square inscribed in a circle.



First, construct a circle.
Second, construct a diameter.
Then, bisect the diameter.
Find the intersection with the circle. Connect the four points.
Put tick marks on all four sides.



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