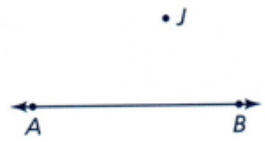
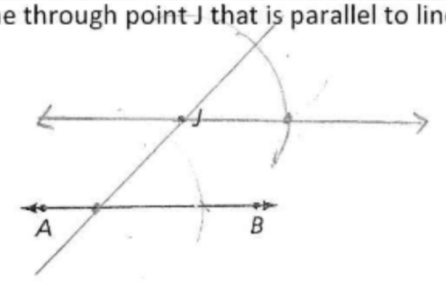
Bell Ringer

Construct Parallel Lines
1. Construct the line through point J that is parallel to line AB    3. Solve the exponential function $2^{x-1} = 64$

Solutions

Construct Parallel Lines

1. Construct the line through point J that is parallel to line AB



3. Solve the exponential function $2^{x-1} = 64$

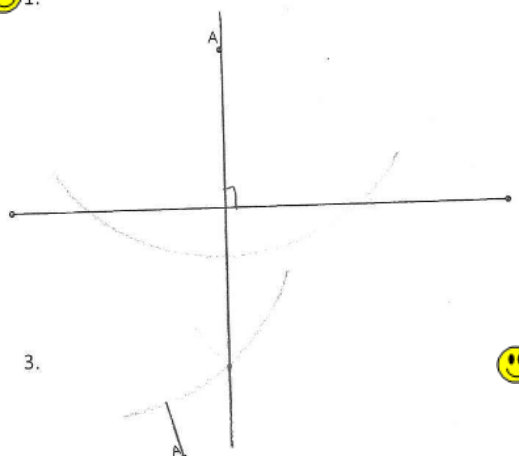
$2^{x-1} = 2^6$ $x-1=6$ $\boxed{x=7}$

Correct 7C Perpendicular Lines

Name Key Hour 7C Constructing Perpendicular Lines

Construct a line perpendicular to the given line through the given point.

1.



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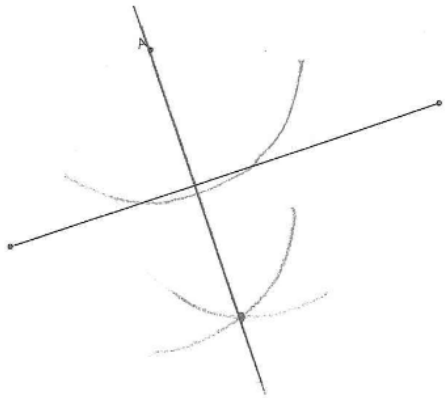

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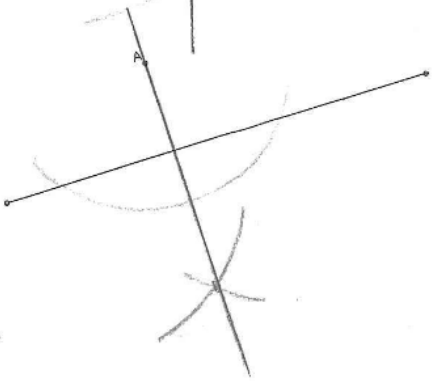

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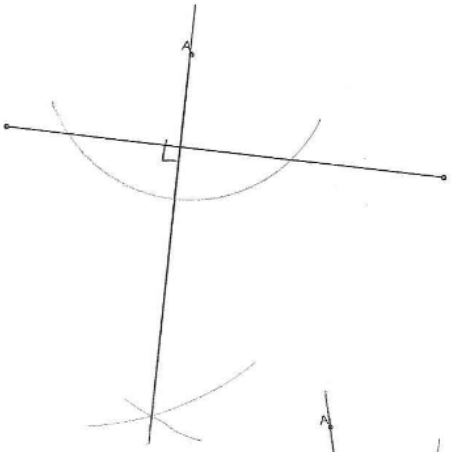

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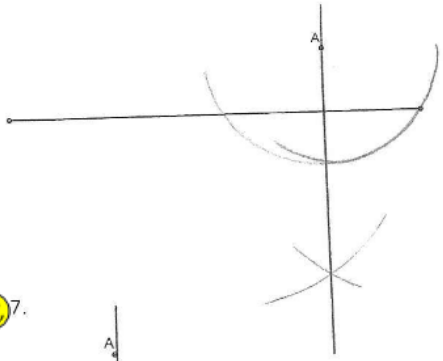

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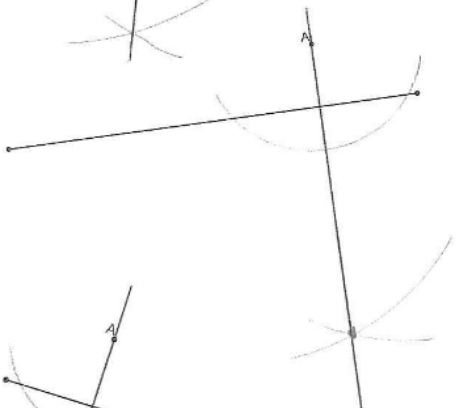

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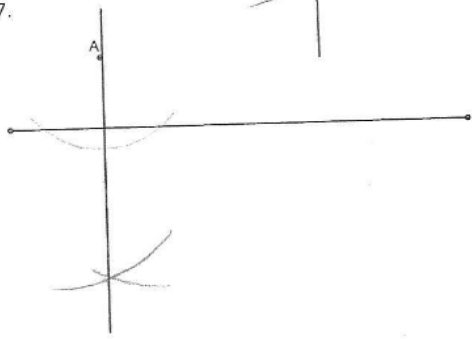

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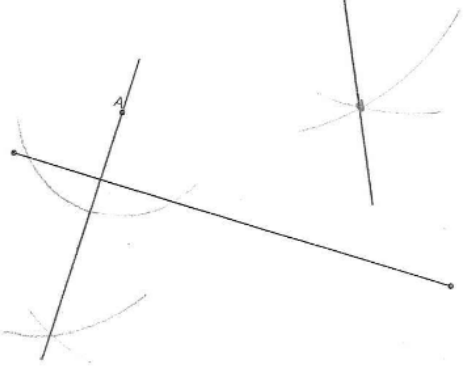

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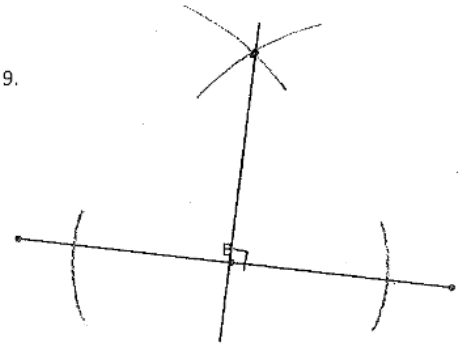

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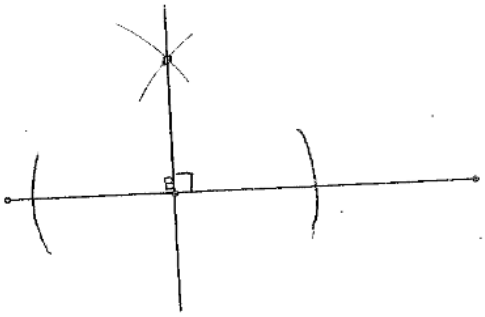

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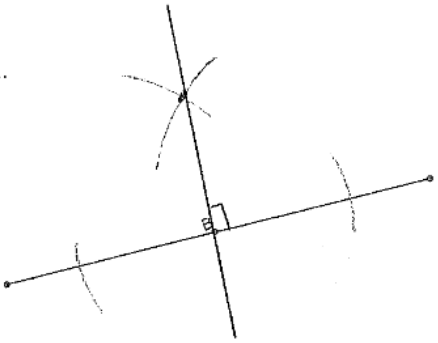

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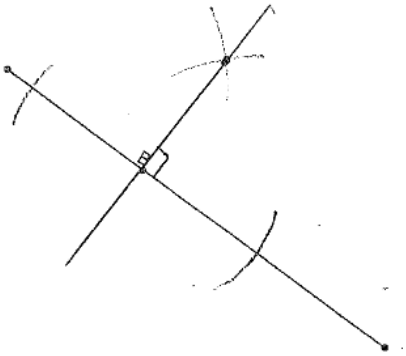

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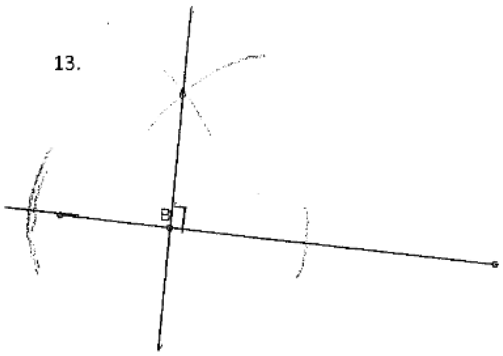

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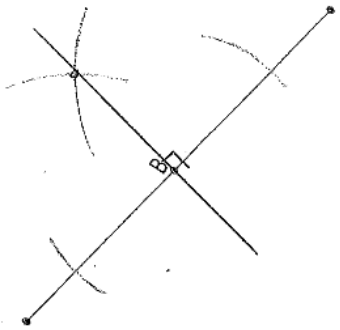

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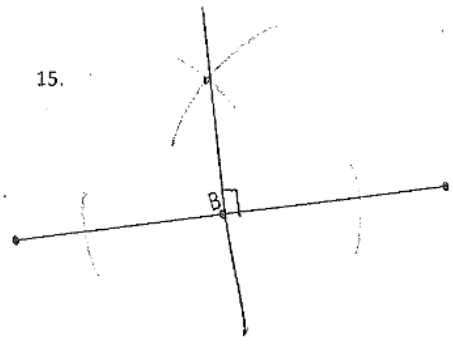

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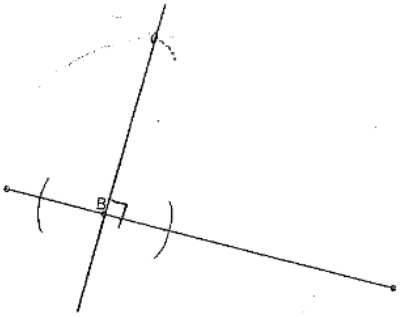
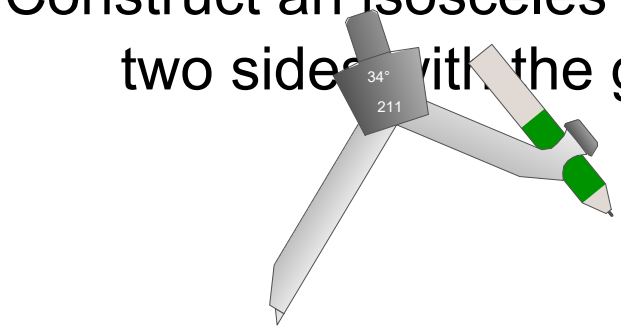
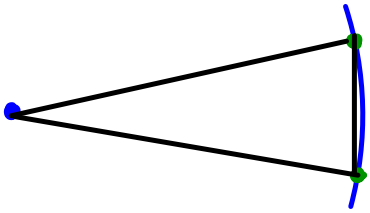


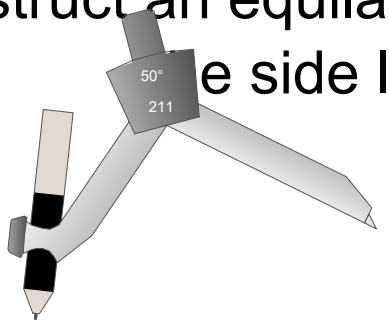
7D Parallel Lines ws due tomorrow

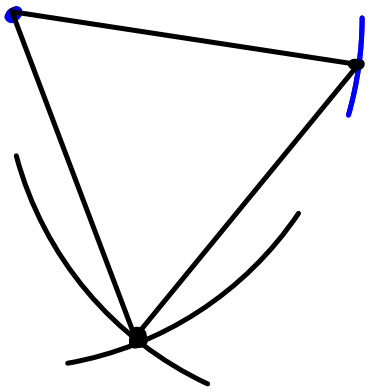
Construct an isosceles triangle that has two sides with the given length.





Construct an equilateral triangle that side
e side length of AB





Construct an Equilateral Triangle pg 13

Start: Start with the line segment AB that is the length of the sides of the desired equilateral triangle.
Step 1: Pick a point P that will be one vertex of the finished triangle.
Step 2: Place the point of the compass on the point A and set i's drawing end to point B. The compass is now set to the length of the sides of the finished triangle. Do not change it from now on.
Step 3: Place the compass point on P and draw 2 arcs approximately where the other vertices will be. On one of the arcs, mark a point Q that will be a second vertex of the triangle. It does not matter which arc you pick, or where on the arc you draw the point.
Step 4: Place the compass point on Q and draw an arc that crosses the other arc, creating point R. Connect the vertices.
Done: The ΔPQR is an equilateral triangle. Its side length is equal to the distance AB.

due Wednesday

Name_____ Hour_____ **7E - Constructing Equilateral and Isosceles Triangles**

Construct an **Isosceles Triangle** with one side length congruent to segment AB.

1.

2.

3.

4.

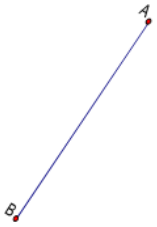
5.

6.

Construct an **Equilateral Triangle** with side lengths congruent to segment AB.

7.

8.



9.

10.

11.

12.