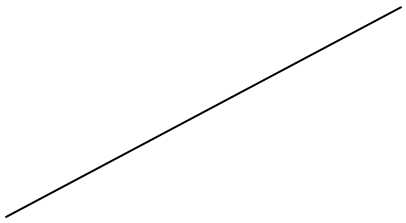
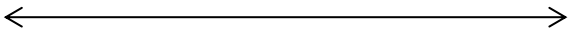
Geometry (G.CO.12)
Unit One C – Constructions #2 (HW2)

Name: _____
Date: _____ Period: _____

1. Bisect the segments.

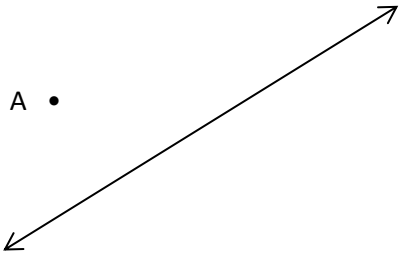


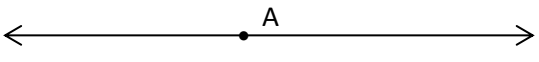
2. Construct a line parallel to the given line through point A.



3. Construct an isosceles triangle. (Hint: Start by drawing your two segments to use as a base and legs.)

4. Construct perpendiculars to the given lines through A.





5. Bisect the given angle.

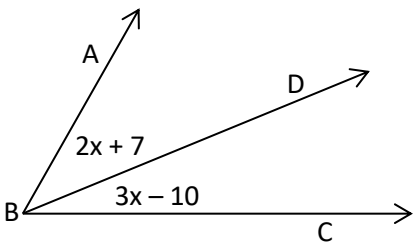
6. State the method you are going to use to solve the system. Then solve the system showing the appropriate work.

$$\begin{cases} y = 2x + 2 \\ 4x - y = -6 \end{cases}$$

Method:_____ Solution:_____

7. State the method you are going to use to solve the system. Then solve the system showing the appropriate work.

$$\begin{cases} 3x + 6y = 12 \\ -x + 3y = 6 \end{cases}$$

Method:_____ Solution:_____

8. Given $\angle ABC$ is bisected, find $m\angle ABD$ using the information provided.