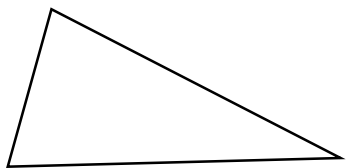


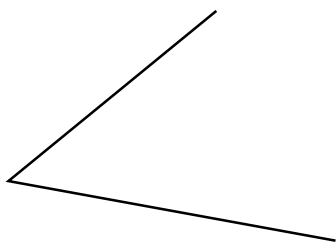
Assignment 8.2 Geometry Constructions & Congruence

1. Copy the given triangle.

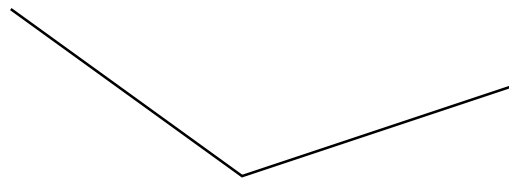


2. Bisect each of the given angles.

a.



b.



3. Bisect each of the given line segments.

a.



b.



4. Make an equilateral triangle from the given line segment.



5. What does it mean to bisect an angle?

6. What angle does a perpendicular bisector create?

7. Explain the differences in how you construct an isosceles and equilateral triangle from a given line segment.

Refresh Your Memory

8. Write a linear equation that goes through each of the given points.
 - a. (2, -4) and (10, 0)
 - b. (3, 4) and (-6, -11)

9. Solve the system of equations using either substitution or elimination.

$$\begin{cases} y = 2x - 3 \\ 2x + 3y = 7 \end{cases}$$