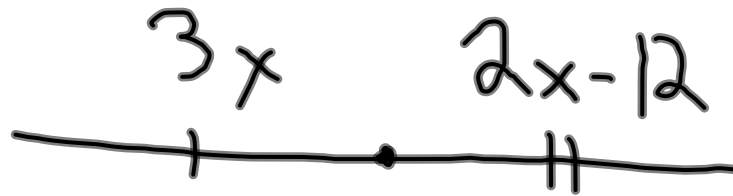
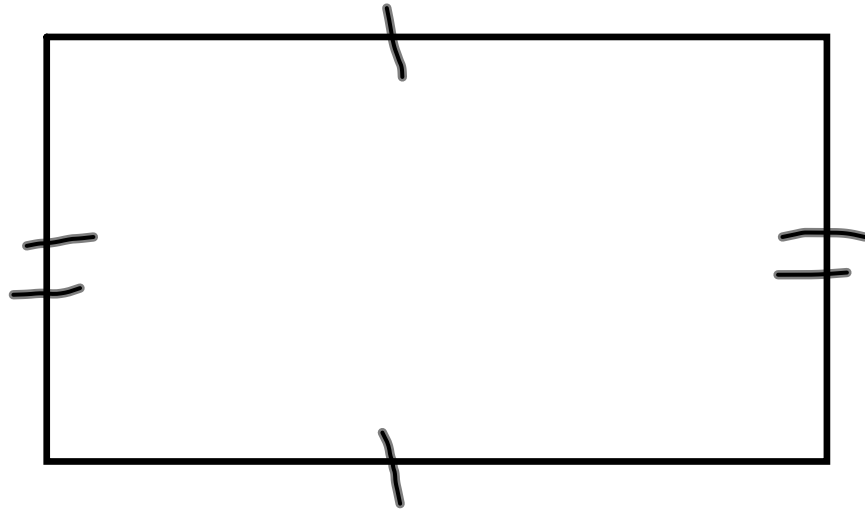


What is the "midpoint" of a line segment? If you know the length of a segment, how would you find the distance from an endpoint to the midpoint? If you know the coordinates of the endpoints, how could you find the coordinates of the midpoint?



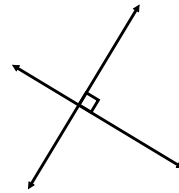


This section mostly focuses on something that we won't do (how to construct basic features of lines).

However, there is some important vocabulary that we do have to know.

Perpendicular lines -

Two lines that intersect to form a right angle.



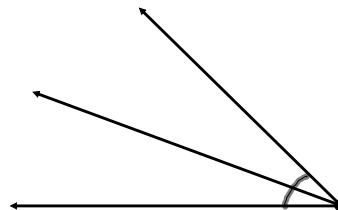
Perpendicular bisector (of a segment) -

A line, ray, or segment that is perpendicular to the segment and intersects at the midpoint.

A perpendicular bisector divides the segment into two congruent segments.

Angle bisector -

A ray that divides an angle into two congruent angles. Its endpoint is at the angle vertex.



Pg. 37, #9 - 12, 21, 25, 36 - 49

Pg. 42, #1 - 5