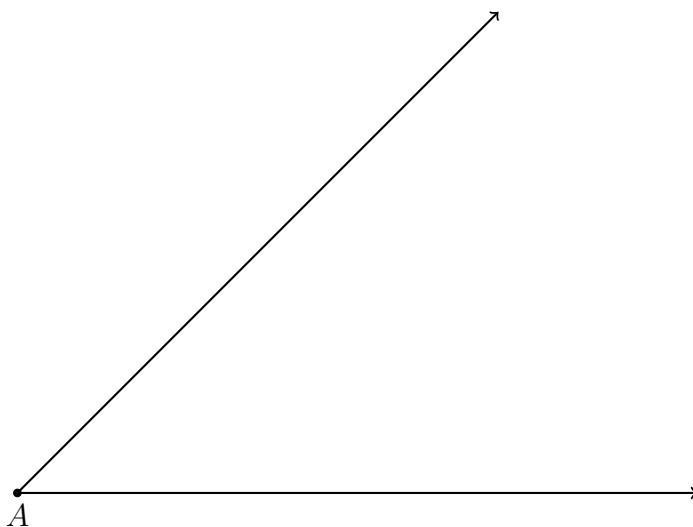
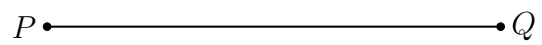


I can measure angles

1. Given an angle with vertex A . Answer the questions and complete as directed.
 - (a) Using a compass, measure angle A in degrees. $m\angle A =$
 - (b) Mark and label a point B that is 4 centimeters from A on the horizontal ray.
 - (c) Draw a circle centered at A with a radius of 4 centimeters.

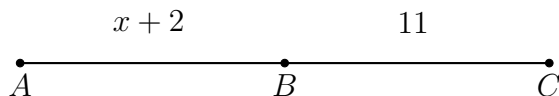


2. Given the line segment \overline{PQ} shown below. Answer the questions and complete as directed.
 - (a) Measure the length of the segment in centimeters. $PQ =$
 - (b) Is the segment horizontal, vertical, or diagonal?
 - (c) With a compass, draw a circle centered at P that passes through Q .
 - (d) Draw a circle centered at Q that passes through P .



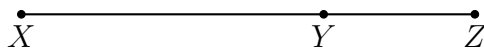
3. Do Now: Given point B is the midpoint of \overline{AC} , with $AB = x + 2$, $BC = 11$.

First write an equation representing the situation, then find x .



4. Do Now: The points shown are in a straight line, \overline{XYZ} .

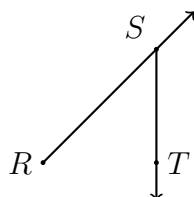
(a) Measure and label the lengths XY and YZ to the nearest centimeter.



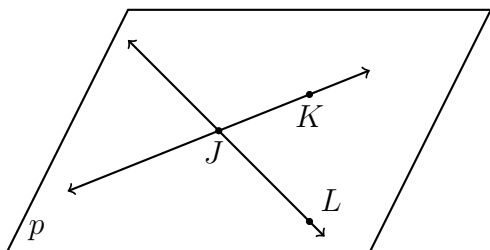
(b) Write an equation employing the Segment Addition Postulate.
(fill in the blanks with values in centimeters)

$$XZ = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

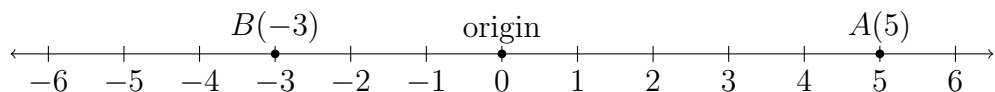
5. Do Now: Points that are all located on the same plane are _____.
6. Do Now: Write down the name of two line segments shown in the diagram below using proper geometric notation.



7. Do Now: Identify two lines in the given plane.



Absolute value: the distance from a point to the origin (zero)



The absolute value of 5 is 5. $|5| = 5$

The absolute value of -3 is 3. $|-3| = 3$

8. Find the value of each expression.

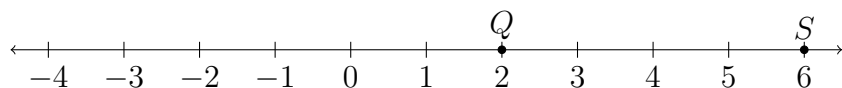
(a) $|11| =$

(c) $|-4.75| =$

(b) $|-7| =$

(d) $|10 - 7| =$

9. Given \overleftrightarrow{QS} as shown on the number line.

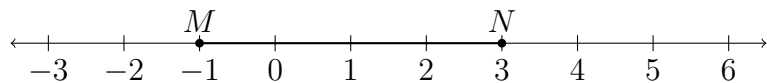


(a) In the given number line units, what is the distance between Q and S ?

$QS =$

(b) Mark the point R , the midpoint of \overline{QS} .

10. Given \overline{MN} with $M(-1)$ and $N(3)$, as shown on the number line.



What is the length of the segment \overline{MN} ? Show your work as an equation.

Can a length be a negative number?