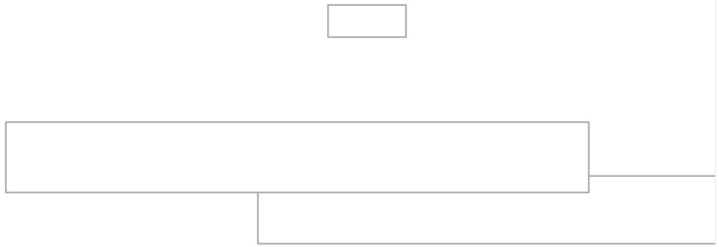
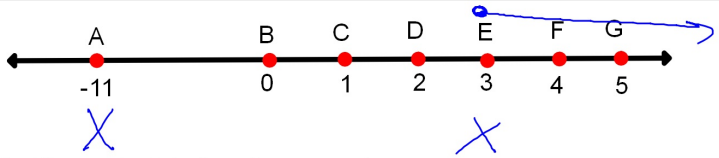
Midpoint: The point that divides a segment into two congruent segments.

A line, a ray, or another segment that passes through a midpoint is said to bisect the segment.





Find the midpoint of each segment.

1. $\overline{CG}$ E or 3 2. $\overline{BE}$ $1\frac{1}{2}$ 3. $\overline{CF}$ 2.5

4. $\overline{AE}$ $-4 = \frac{-11+3}{2} = \frac{-8}{2}$

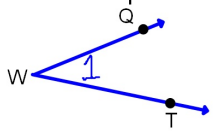
The "midpoint" of any two numbers is their AVERAGE

5. What is the midpoint of $\overrightarrow{EG}$?

Angle: Formed by two rays with the same endpoint.

Symbol: ∠

Vertex: The common endpoint of the two rays (sides)

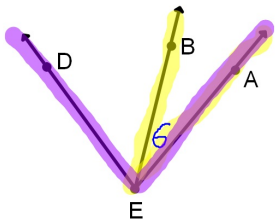


Naming an angle:

- Three letter where the middle letter is the vertex and the other two letters are points on each of the rays.
- A single letter (the vertex) ∠W, ∠QWT, ∠TWQ
- A number ∠1

You

Name the angle that is highlighted.



∠AEB, ∠BEA
∠6

∠DEA, ∠AED

Acute Angle An angle whose measure is $0^\circ < x < 90^\circ$

Right Angle An angle whose measure is $= 90^\circ$

Obtuse Angle An angle whose measure is $90^\circ < x < 180^\circ$

Straight Angle An angle whose measure is $= 180^\circ$