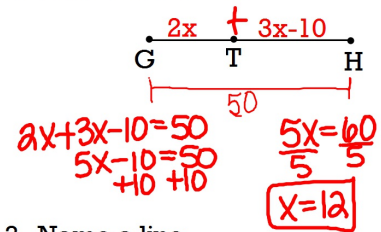


Spiral Review

1. Find x if $\overline{GH} = 50$



2. Find x if $\overline{JK} \cong \overline{ST}$, $\overline{JK} = 4x - 9$
 $\overline{ST} = 5x - 15$

3. Name a line.

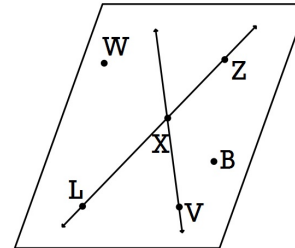
\overleftrightarrow{ZL} , \overleftrightarrow{XZ}

4. Name a plane.

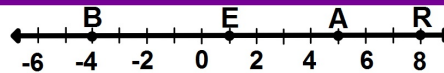
LVZ

5. Name three collinear points.

L, X, Z



Review 1.3

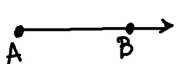
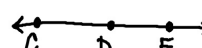
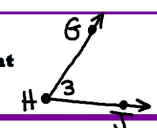


1. Find \overline{BR} .

2. Find the midpoint of \overline{ER} .

3. Find the distance between $P(-2,5)$ and $Q(4,-3)$.

Section 1.4 Angle Measure

term	example	name
ray part of a line endpoint on one end/ other end goes on indefinitely		2 letters \overrightarrow{AB}
opposite rays 2 rays that share an endpoint and form a line		\overrightarrow{DE} \overrightarrow{DC}
angle 2 rays with a common endpoint has 2 sides (rays) & a vertex (point)		1 letter (vertex) $\angle H$ use # (vertex) $\angle 3$ 3 letters $\angle GHJ$ or $\angle JHG$

interior points:

exterior points:

Example 1:

a. Give another name for angle 5.

$\angle GBE$ or $\angle GBF$

b. Name the vertex for angle 3.

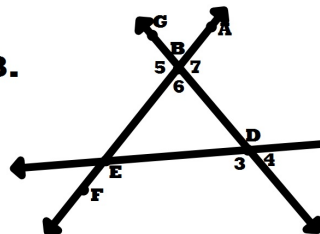
D (point)

c. Name the sides of angle 7.

\overrightarrow{BA} , \overrightarrow{BD} (2 rays)

d. Name a point on the exterior of angle 6.

G or A (outside)



Classify angles by their measures

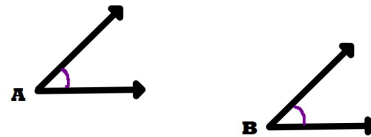
Acute angle: angle that measures less than 90°

Right angle: angle that measures 90°

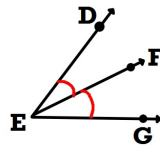
Obtuse angle: angle that measures between 90° & 180°

Straight angle: angle that measures 180°

Congruent angles: angles with the same measure



Angle bisector: ray that divides an angle in half



Example 2: In the figure, \overrightarrow{BA} and \overrightarrow{BC} are opposite rays, \overrightarrow{BH} bisects $\angle EBC$

a.) If $m\angle ABE = 2n + 7$ and $m\angle EBF = 4n - 13$, find $m\angle ABE$

(set equal) $2n + 7 = 4n - 13$

$n = 10$

$m\angle ABE = 2(10) + 7$

$m\angle ABE = 27^\circ$

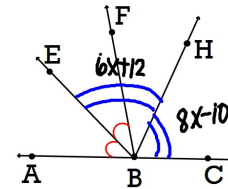
b.) If $m\angle EBH = 6x + 12$ and $m\angle HBC = 8x - 10$, find $m\angle EBH$

(set equal) $6x + 12 = 8x - 10$

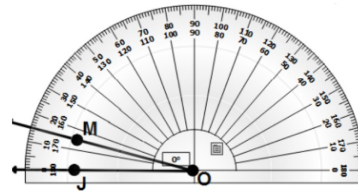
$x = 11$

$m\angle EBH = 6(11) + 12$

$m\angle EBH = 78^\circ$



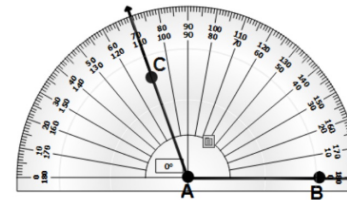
Examples using protractor.



Name the angle: $\angle MOJ$

Classify the angle: acute

Measure the angle: 15°



Name the angle: $\angle CAB$

Classify the angle: obtuse

Measure the angle: 110°

Turn in:
wkst: Naming Angles

Homework:
p. 41 (12-28, 39-42)