Warm Up

Solve each equation
1.) $5x + 6 + 2x - 14 = 90$

2.) $4x - 30 + x + 25 = 180$

3.) $\frac{x}{3} + 2 = x - 5$

4.) The chance of snow on Sunday is 60%. The chance of snow on Monday is 20%. What is the probability that it will snow both days?

1-4: Measuring Angles

Obj - SWBAT find and compare the measures of angles.
Vocabulary

Angle: formed by two rays with the same endpoint.

Sides of the angle: the two rays.

Vertex of an angle: the endpoint where the two rays meet.

Measure of an angle: the absolute value of the difference of the real numbers associated with points on the sides of the angle.

Congruent angles: two angles who have the same measure.
Ex. 1: What are two other names for \(<\text{KML}\)?
Ex. 2: What are the measures of <LKH, <HKN, and <MKH? Classify each angle as acute, right, obtuse, or straight.
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6.) \( \angle XYZ, \angle ZYX, \angle Y \)  
7.) \( \angle ABC, \angle CBA, \angle B, \angle 1 \)

8.) \( \angle KJM, \angle MKJ, \angle 2 \)  
9.) 70, acute

10.) 90, right  
11.) 110, obtuse

12.) 25, acute  
13.) 85, acute

14.) 20, acute  
15.)

16.)

17.)
Ex. 3: Use the photo below. If \( m\angle ABC = 49 \), what is \( m\angle DEF? \)

**Postulate 1-8** Angle Addition Postulate

If point \( B \) is in the interior of \( \angle AOC \), then \( m\angle AOB + m\angle BOC = m\angle AOC \).
Ex. 4: \( \angle DEF \) is a straight angle. What are \( m<DEC \) and \( m<CEF \)?

Ex. 5: If \( m<ABD = 85 \), what is an expression to represent \( m<ABC \)?
homework

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