

Section 1.3 Homework

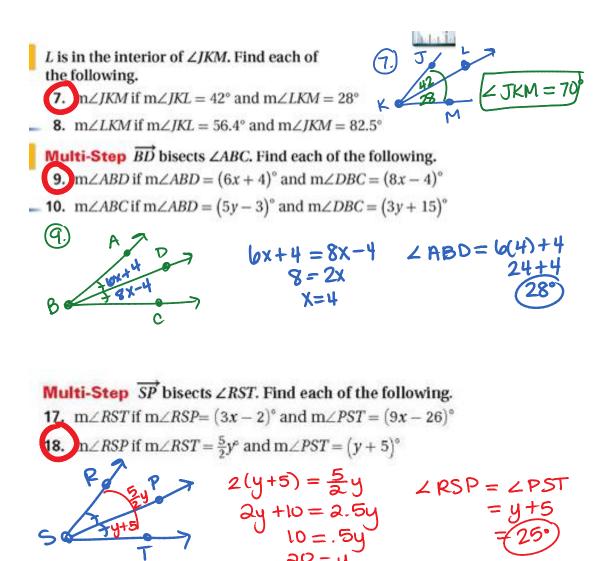
Pg. 24 #2-3, 7, 9, 18, 41-43, 45 And Pg. 35 #1-3, 6-8, 12, 14

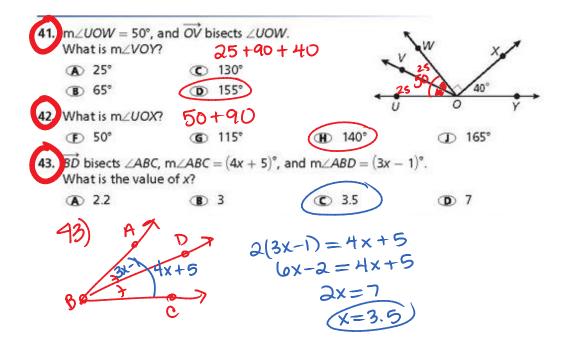
Page 24

2. Which point is the vertex of $\angle BCD$? Which rays form the sides of $\angle BCD$? point C, \overrightarrow{CB} and \overrightarrow{CD} ?

3. Music Musicians use a metronome to keep time as they play. The metronome's needle swings back and forth in a fixed amount of time. Name all of the angles in the diagram. ∠AOB, ∠BOC, ∠ AOC





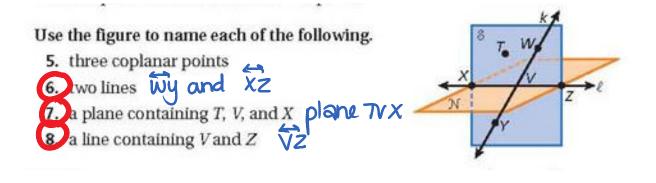


45. Short Response If an obtuse angle is bisected, are the resulting angles acute or obtuse? Explain.

An obtusc angle is greater than 90° and less than 180°. if any angle within this range was bisected, the angles would be acute. ex) 91/2 = 45.5 (acute) ex) 179/2 = 89.5 (acute)

Page 35

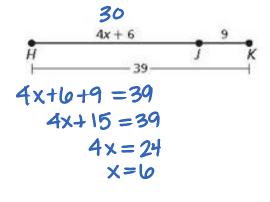
Draw and label each of the following.
1. a segment with endpoints X and Y
2. a ray with endpoint M that passes through P
3. three coplanar lines intersecting at a point



1

 The diagram represents a straight highway with three towns, Henri, Joaquin, and Kenard. Find the distance from Henri *H* to Joaquin *J*.

$$(H\overline{J} = 30)$$
$$J\overline{L} = 9$$
$$H\overline{L} = 39$$



Q is the midpoint of \overline{PR} , PQ = 2z, and PR = 8z - 12. Find z, PQ, and PR. $\begin{array}{c} 2z \\ 0 \\ \hline 0 \\$