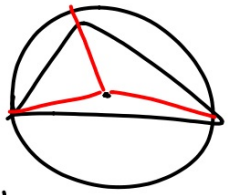
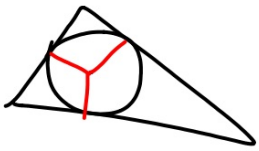
Geometry 5.1-5.3

Review 5.1-5.2
Quiz 5.1-5.2

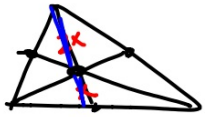
Practice 5.3



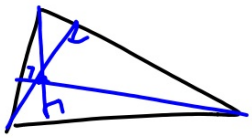
⊥ bis. sides
circumcenter



angle bis.
incenter



median
centroid

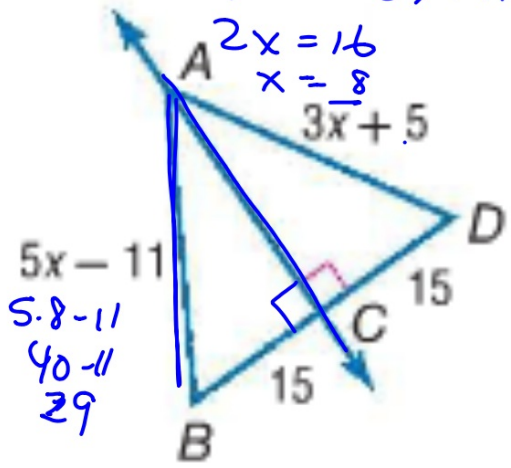


altitudes
orthocenter

Find each measure. (Lesson 5-1)

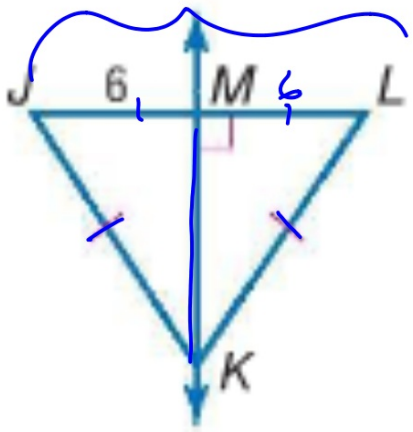
1. AB

$5x - 11 = 3x + 5$
$-3x + 11 \quad -3x + 11$
$2x = 16$
$x = 8$

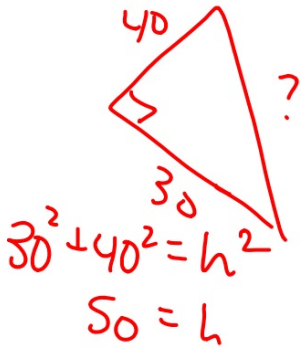


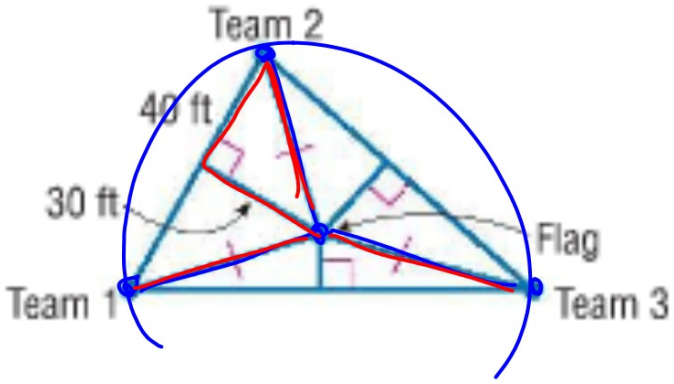
$5 \cdot 8 - 11$
$40 - 11$
29

2. JL



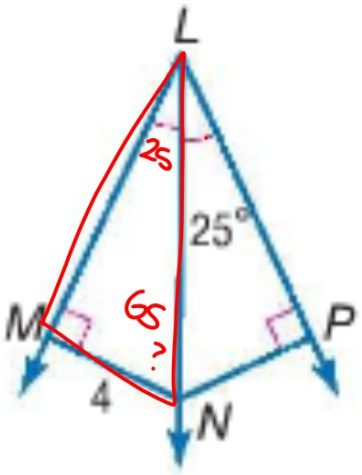
3. CAMP Camp Onawatchi ends with a game of capture the flag. If the starting locations of three teams are shown in the diagram below, with the flag at a point equidistant from each team's base, how far from each base is the flag in feet? (Lesson 5-1)





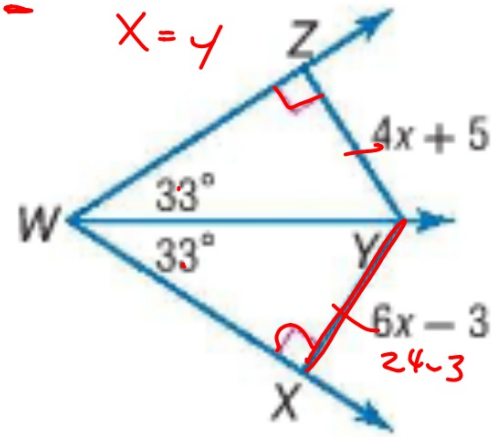
Find each measure. (Lesson 5-1)

4. $\angle MNP$



5. XY

$4x+5 = 6x-3$
$-4x+3 \quad -4x \quad +3$
$8 = 2x$
$x = y$



In $\triangle RST$, Z is the centroid and $RZ = 18$. Find each length.

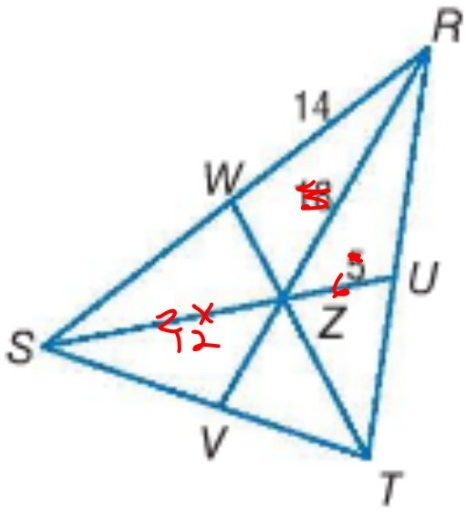
(Lesson 5-2)

$SU = 18$

6. ZV $= 9$

7. $SZ = 10$

8. $SR = 28$

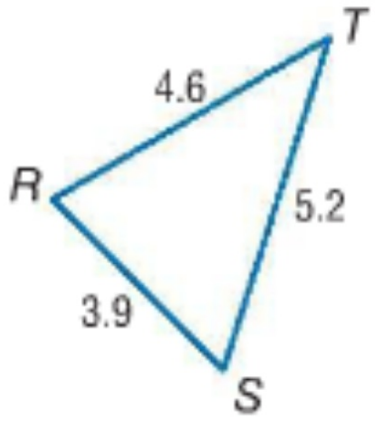


WB 5.3 skills
5.3 prac.

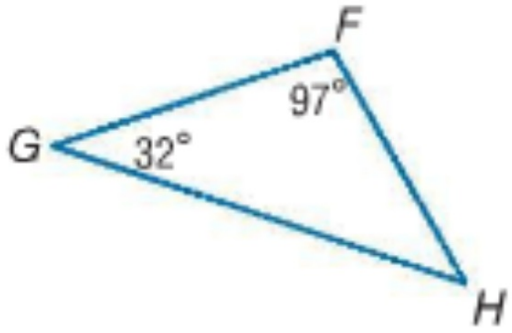
quiz 5.1-5.2

List the angles and sides of each triangle in order from smallest to largest. (Lesson 5-3)

14.

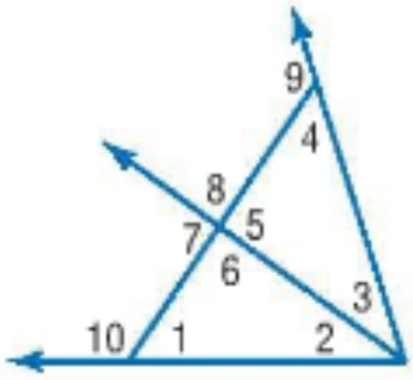


15.



Use the Exterior Angle Inequality Theorem to list all of the angles that satisfy the stated condition. (Lesson 5-3)

17. measures less than $m\angle 8$

18. measures greater than $m\angle 3$

19. measures less than $m\angle 10$