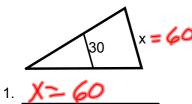
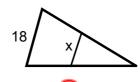
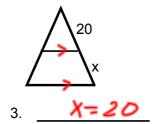
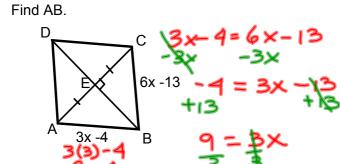
Find x.





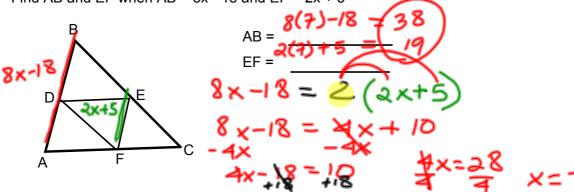


Find x

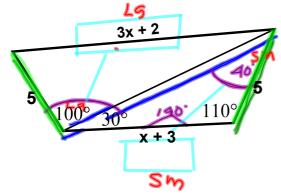


X=3 5.

6. Find AB and EF when AB = 8x - 18 and EF = 2x + 5



Use the Hinge Theorem or its converse and properties of triangles to write and solve an inequality to describe a restriction on the value of x.



なくXorX>ち

8. If the solid lines are Perpendicular Bisectors then 9. the dotted lines are ALL

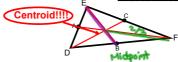
Circumcenter!!!!

If the Point of Concurrency is a CENTROID then the length from any vertex to the centroid is \_\_\_\_\_\_\_ of the entire line length.

What do points A, B, and C represent?



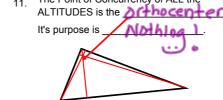




10. If the solid lines are Angle Bisectors then the dotted lines are ALL



11. The Point of Concurrency of ALL the ALTITUDES is the <u>arthocenter</u>. It's purpose is



Describe the possible lengths of the third side of the triangle given the lengths of the other two sides.



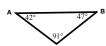
State if the three sides can be the measures of the sides of a triangle. Explain.

2, 8, 10 13.



4. 9. 12

List the sides and angles from SMALLEST to LARGEST.



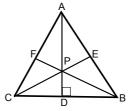
16. Sides:





P is the CENTROID of triangle ABC, AP = 24, EP = 16, and BF = 60. Find the length of the segments.

20. FP = 
$$60 \cdot \frac{1}{3} = 20$$



## Work for Problem 21:

$$a^{2} + b^{2} = c^{2}$$

$$a^{2} + 12^{2} = 32^{2}$$

$$a^{2} + 144 = 1024$$

$$a^{2} = 880$$

 $a \approx 29.7$