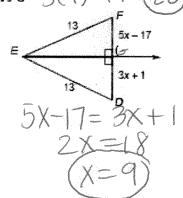
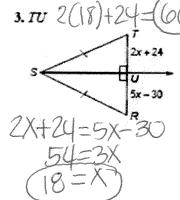
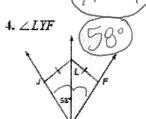
GEOMETRY 5-1 & 5-2 PRACTICE

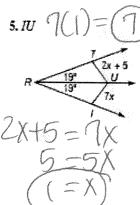
Name Master & Block

Find the indicated measure.

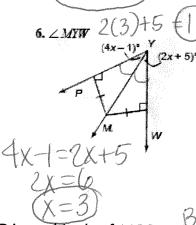




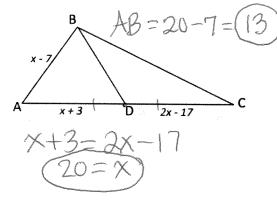




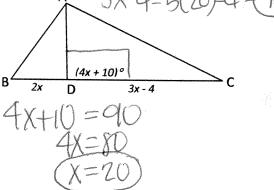
8.



7. Find AB if BD is a median of \triangle ABC.

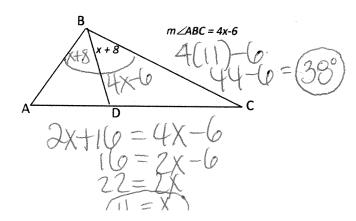


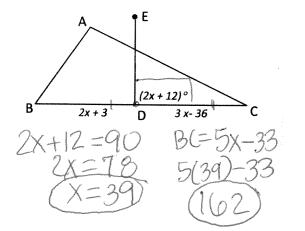
Find BC if AD is an altitude of △ABC.



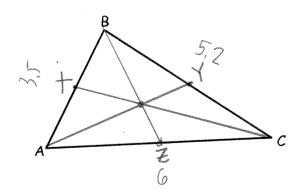
9. Find m \angle ABC if BD is an angle bisector of \triangle ABC.

10. Find x and BC if DE is a \perp bisector.



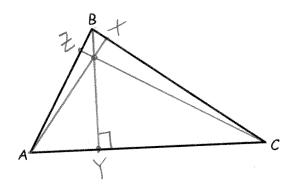


11. Draw the three <u>medians</u> of your triangle. Measure \overrightarrow{AB} , \overrightarrow{BC} , and \overrightarrow{AC} and mark the midpoints X, Y, and Z, in that order and draw the medians to those points. What observations can you make?



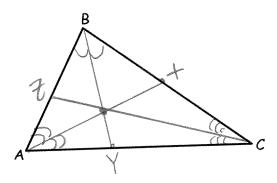
They meet inside the A (Centroid)

12. Draw the three <u>altitudes</u> of your triangle. Label them \overline{AX} , \overline{BY} , and \overline{CZ} . What observations can you make?



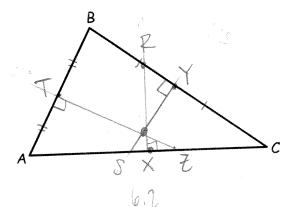
Their meet institle the Δ (Orthocenter)

13. Draw the three <u>angle bisectors</u> of your triangle. Label them \overline{AX} , \overline{BY} , and \overline{CZ} . What observations can you make?



They meet inside the A (Incenter)

14. Draw the three <u>perpendicular bisectors</u> of the sides of your triangle. Label them \overline{RX} , \overline{SY} , and \overline{TZ} . What observations can you make?



They meet inside the A (Circumcenter)