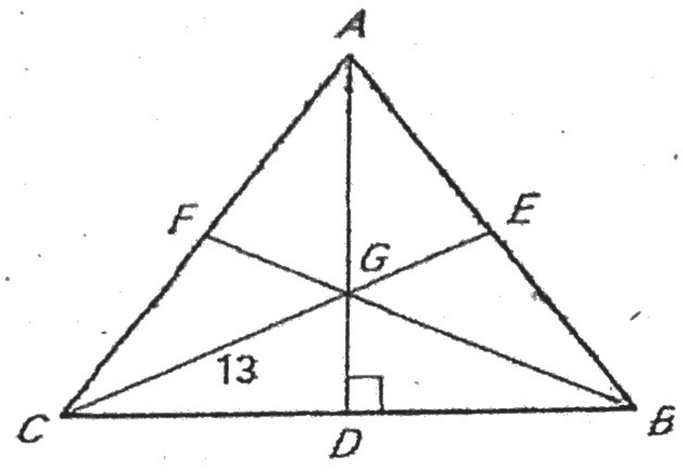
Geo Review

11/16/15

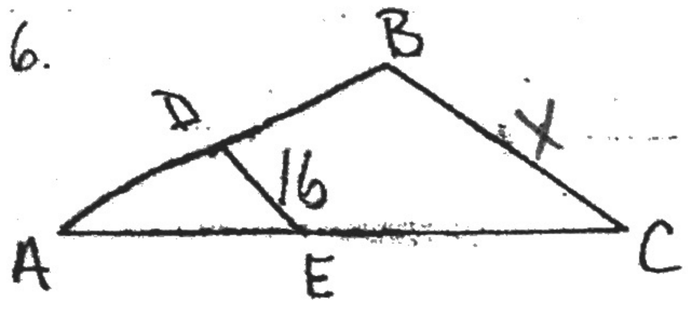
G is the centroid of $\triangle ABC$, $AD = 15$, $CG = 13$, and $\overline{AD} \perp \overline{CB}$. Find the length of the segment.

1. $\overline{AG} = 10$
2. $\overline{GD} = 5$
3. $\overline{CD} = 12$
4. $\overline{GE} = 7.5$
5. $\overline{GB} = 13$



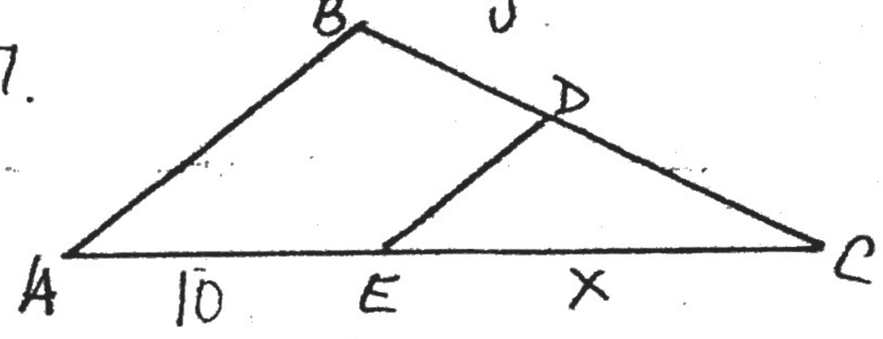
Find ~~the~~ value of x when $\overline{DE}$ is a midsegment.

6.



$x = 32$

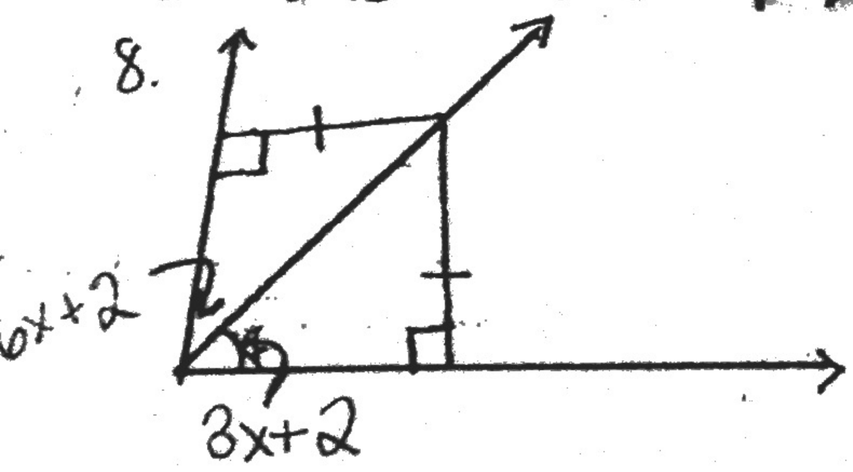
7.



$X = 10$

Find the Value of x.

8.

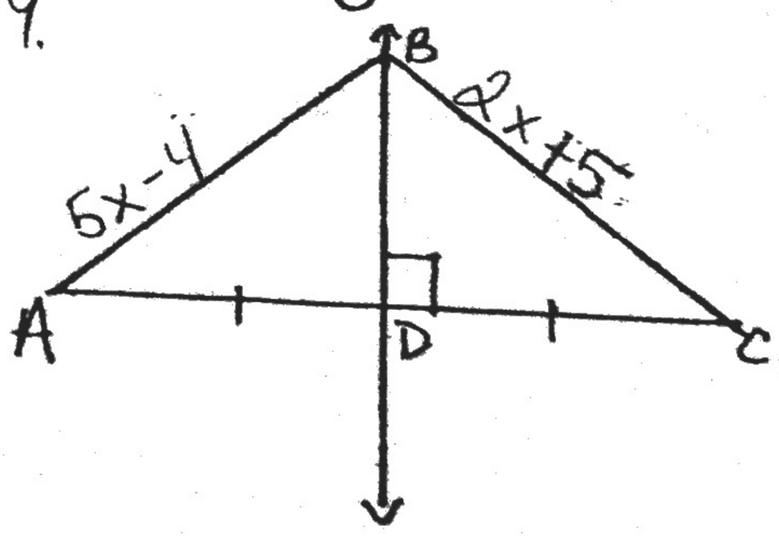


$6x + 2 = 3x + 2$

$x = 0$

Find the length of $\overline{AB}$.

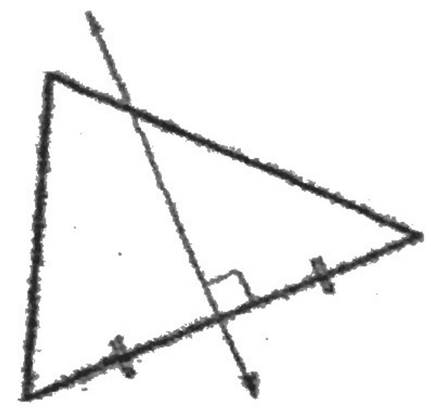
9.



$X = 3$

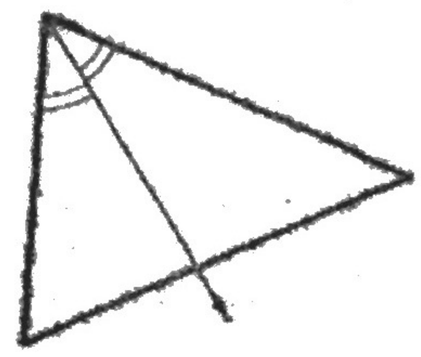
$AB = 11$

A 10.



(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude

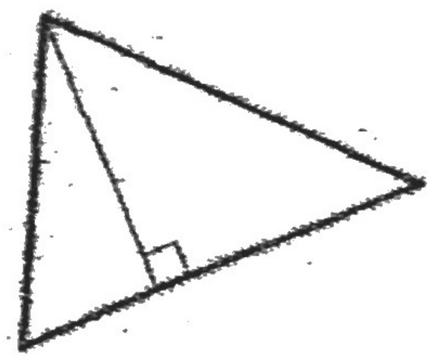
B 11.



(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude

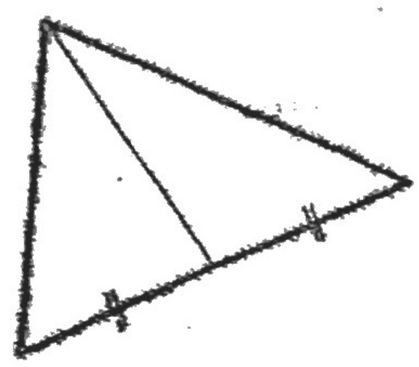
Circle the letter with the name of the segment/line/ray shown.

D 12.



(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude

C 13.



(a) perpendicular bisector
(b) angle bisector
(c) median
(d) altitude

B 14. The three angle bisectors of a triangle intersect at the _____.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

A 15. It is equidistant from the three vertices of the triangle.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

B 16. It is equidistant from the three sides of the triangle.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

C 17. It divides each median into two sections at a 2:1 ratio.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

D 18. The three altitudes of a triangle intersect at the _____.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

C 19. The three medians of a triangle intersect at the _____.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter

A 20. The three perpendicular bisectors of a triangle intersect at the _____.

(a) circumcenter (b) incenter (c) centroid (d) orthocenter