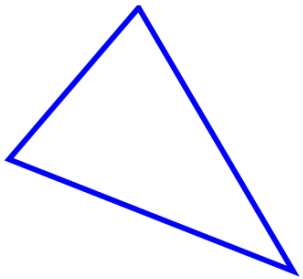
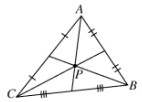
The circumcenter



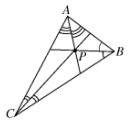
Which diagram shows a point P an equal distance from points A, B, and C?

A.

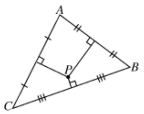


C.

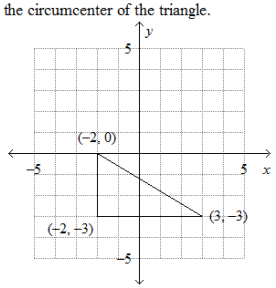
B.



D.



Find the circumcenter of the triangle.

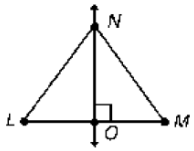


A. $(\frac{1}{2}, -3)$ B. $(\frac{1}{2}, -\frac{3}{2})$ C. $(-2, -\frac{3}{2})$ D. $(-\frac{3}{2}, \frac{1}{2})$

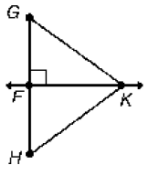
Find the circumcenter of ΔEFG with $E(6, 2)$, $F(6, 0)$, and $G(10, 0)$.

A. (1, 0) B. (8, 1) C. (1, 8) D. (6, 1)

$\overleftrightarrow{NO}$ is the perpendicular bisector of $\overline{LM}$. If $OM = 3$ and $LN = 7$, then $LO =$_____ and $MN =$_____. Explain your solutions.



If $\overleftrightarrow{KF}$ is the perpendicular bisector of $\overline{GH}$, then $\angle KGF \cong$ _____.

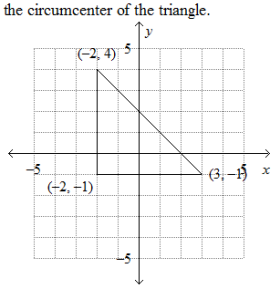


A. $\overline{FK}$ B. $\angle GKF$ C. $\angle FHK$ D. $\angle HFK$

Find the circumcenter of ΔEFG with $E(6, 2)$, $F(6, -2)$, and $G(8, -2)$.

A. (0, 7) B. (7, 0) C. (6, –1) D. (–1, –2)

Find the circumcenter of the triangle.



A. $(\frac{3}{2}, \frac{1}{2})$ B. $(-2, \frac{3}{2})$ C. $(\frac{1}{2}, -1)$ D. $(\frac{1}{2}, \frac{3}{2})$