

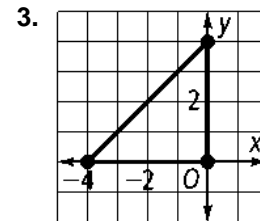
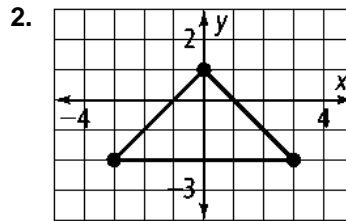
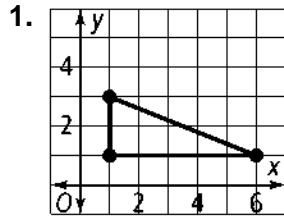
5-3

Practice

Form G

Bisectors in Triangles

Coordinate Geometry Find the circumcenter of each triangle.



Coordinate Geometry Find the circumcenter of $\triangle ABC$.

4. $A(1, 3)$

$B(4, 3)$

$C(4, 2)$

5. $A(2, -3)$

$B(-4, -3)$

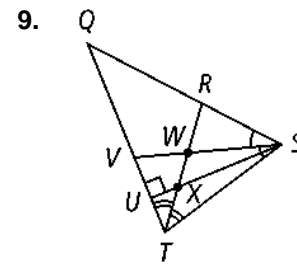
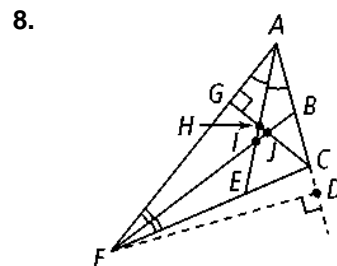
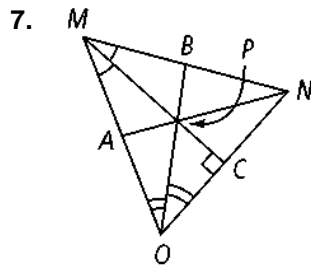
$C(-4, -7)$

6. $A(-5, -2)$

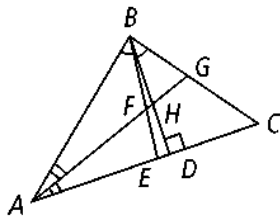
$B(1, -2)$

$C(1, 6)$

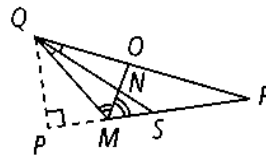
Name the point of concurrency of the angle bisectors.



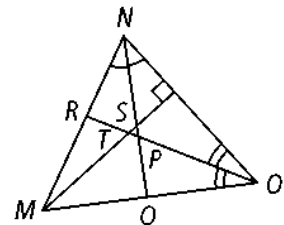
10.



11.



12.



5-3

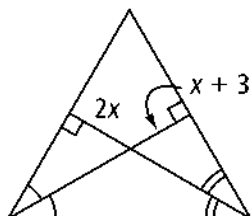
Practice (continued)

Form G

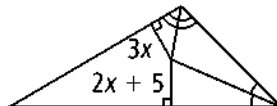
Bisectors in Triangles

Find the value of x .

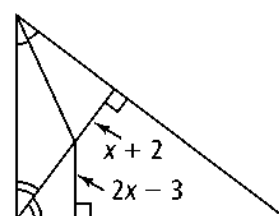
13.



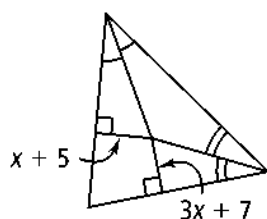
14.



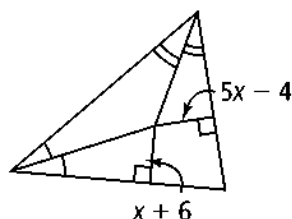
15.



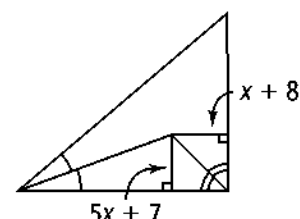
16.



17.

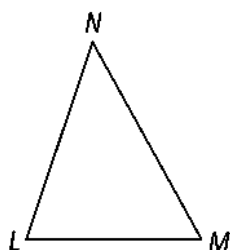


18.



- 19. Construction** Construct three perpendicular bisectors for $\triangle LMN$. Then use the point of concurrency to construct the circumscribed circle.

00



- 20. Construction** Construct two angle bisectors for $\triangle ABC$. Then use the point of concurrency to construct the inscribed circle.

