

Practice B

For use with pages 34–42

Use a ruler to measure and redraw the line segment on a piece of paper. Then use construction tools to find the segment bisector.



Find the coordinates of the midpoint of a segment with the given endpoints.

3. $A(-3, 5)$
 $B(5, -1)$

4. $C(-4, -3)$
 $D(6, 3)$

5. $E(5, 0)$
 $F(-3, -5)$

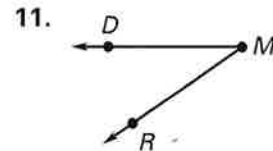
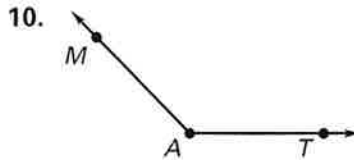
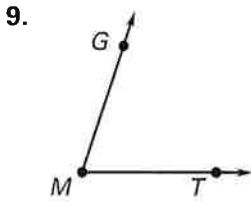
Find the coordinates of the other endpoint of the segment with the given endpoint and midpoint M .

6. $T(6, 2)$
 $M(2, 0)$

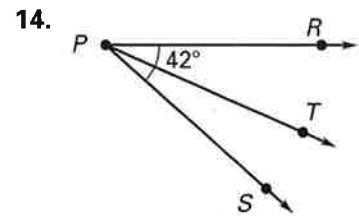
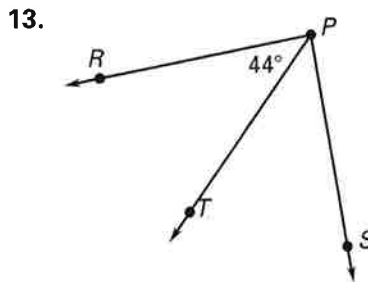
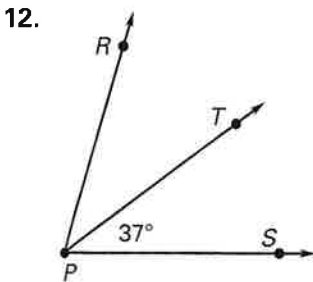
7. $A(-4, 3)$
 $M(-1, -1)$

8. $P(7, 3)$
 $M(2, 1)$

Use a protractor to measure and redraw the angle on a piece of paper. Then use construction tools to find the angle bisector.



\overrightarrow{PT} is the angle bisector of $\angle RPS$. Find the two angle measures not given in the diagram.



\overrightarrow{BT} bisects $\angle ABC$. Find the value of x .

