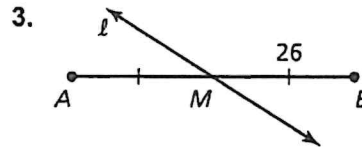


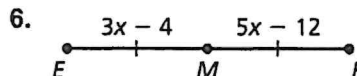
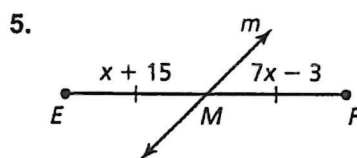
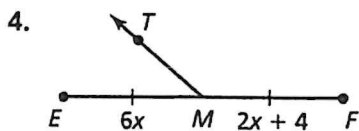
**8.3 Notetaking with Vocabulary**

**Extra Practice**

In Exercises 1–3, identify the segment bisector of  $\overline{AB}$ . Then find  $AB$ .



In Exercises 4–6, identify the segment bisector of  $\overline{EF}$ . Then find  $EF$ .



In Exercises 7–9, the endpoints of  $\overline{PQ}$  are given. Find the coordinates of the midpoint  $M$ .

7.  $P(-4, 3)$  and  $Q(0, 5)$

8.  $P(-2, 7)$  and  $Q(10, -3)$

9.  $P(3, -15)$  and  $Q(9, -3)$

In Exercises 10–12, the midpoint  $M$  and one endpoint of  $\overline{JK}$  are given. Find the coordinates of the other endpoint.

10.  $J(7, 2)$  and  $M(1, -2)$

11.  $J(5, -2)$  and  $M(0, -1)$

12.  $J(2, 16)$  and  $M(-\frac{9}{2}, 7)$