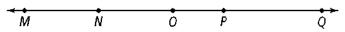
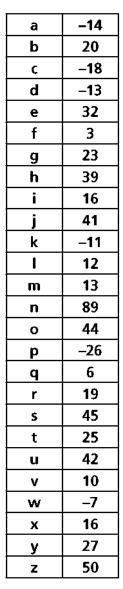
Find each answer in the key at the right and put the corresponding letter in the answer blank at the bottom of the page.

- **1.** Points A, B, and C are collinear, and A is between B and C. AB = 4x 3, BC = 7x + 5, and AC = 5x 16. Find each value.
 - **a.** BC
 - **b.** *AB*
 - $\mathbf{c}.$ AC
- **2.** On a number line, G = 8 and H = -3. If H is the midpoint of \overline{GI} , find the coordinate of I.
- **3.** *J* is the midpoint of \overline{KL} . Find KJ if KL = 38.

For 4–6, refer to the number line below.



- **4.** Suppose *O* is the midpoint of MQ and *N* is the midpoint of \overline{MO} . If NO = 8, find MQ.
- **5.** Suppose *P* is the midpoint of \overline{NQ} , OP = 11, and OQ = 35. Find NO.
- **6.** If NO = 2y + 11, OP = 3y 2, NP = 6y + 3, and MP = 64, find each value.
 - a. NO
 - **b.** *MN*





An $\frac{1}{1c}$ $\frac{1}{3}$ $\frac{1}{2}$ $\frac{1}{1a}$ $\frac{1}{6a}$ $\frac{1}{4}$ because it is made of $\frac{1}{1b}$ $\frac{1}{4}$ $\frac{1}{6a}$ $\frac{1}{5}$ $\frac{1}{4}$ $\frac{1}{1a}$ $\frac{1}{6b}$ $\frac{1}{1b}$.