

Points A, B, and C are collinear. Point B is between A and C. Find the indicated length.

1.  $BC = x - 6$ ,  $AB = 2x - 11$ , and  $AC = 10$ . Find  $AB$ .
2.  $BC = x + 17$ ,  $AB = 2x + 16$ , and  $AC = 12$ . Find  $AB$ .
3.  $BC = 6$ ,  $AB = 2x + 26$ , and  $AC = x + 23$ . Find  $AC$ .
4.  $BC = 12$ ,  $AB = 2x - 1$ , and  $AC = 6x - 1$ . Find  $AC$ .
5.  $BC = 8$ ,  $AB = 2x - 2$ , and  $AC = 6x - 2$ . Find  $AB$ .
6.  $BC = 10x + 1$ ,  $AB = 3x$ , and  $AC = 14$ . Find  $AB$ .
7.  $BC = 9$ ,  $AB = 2x + 32$ , and  $AC = x + 30$ . Find  $AB$ .
8.  $BC = x + 11$ ,  $AB = x + 5$ , and  $AC = 10$ . Find  $BC$ .
9.  $BC = 3x - 3$ ,  $AB = 1$ , and  $AC = x + 4$ . Find  $BC$ .
10.  $BC = 2x - 5$ ,  $AB = 9$ , and  $AC = x + 12$ . Find  $AC$ .
11.  $BC = 18 + 2x$ ,  $AB = 7$ , and  $AC = x + 17$ . Find  $AC$ .
12.  $BC = 2x + 17$ ,  $AB = 12$ , and  $AC = 21 + x$ . Find  $AC$ .