

Name:
Grade:

Date:

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

1) $AB = 2$, $BC = 4x + 2$, and $AC = 7x - 2$.
Find AC .

2) Find AB if $AB = 6x$, $BC = 6x$,
and $AC = 24$.

3) $BC = x + 8$, $AC = 15$, and $AB = x + 11$.
Find BC .

4) $AB = 7$, $BC = -1 + 4x$, and $AC = 6x + 2$.
Find AC .

5) $AC = x + 20$, $AB = 2x + 20$, and $BC = 7$.
Find AC .

6) Find BC if $AC = 12$, $AB = 2x + 17$,
and $BC = x + 16$.

7) $BC = 10$, $AB = x - 4$, and $AC = 3x - 4$.
Find AC .

8) Find BC if $AC = 22$, $AB = x + 16$,
and $BC = x + 18$.

9) Find BC if $AC = 15$, $BC = x + 10$,
and $AB = x + 17$.

10) Find AC if $BC = 12$, $AC = 3x$,
and $AB = 4 + x$.

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Answers to

- 1) 12
- 4) 14
- 7) 11
- 10) 24

- 2) 12
- 5) 13
- 8) 12

- 3) 6
- 6) 9
- 9) 4