

Name:
Grade:

Date:

Points A, B, C, and D are collinear and positioned in that order. Find the Measurement.

1) $BC = 2x + 33$, $AD = 20$, $CD = 22 + x$,
and $AB = 2x + 25$. Find BC .

2) Find BC if $CD = 7x$, $AD = 24x$,
 $BC = 13x - 1$, and $AB = 5$.

3) $AC = x + 8$, $BC = 10$, $BD = x + 4$,
and $AD = x + 12$. Find AC .

4) $CD = 9x + 1$, $AB = 10x$, $AC = 21$,
and $BD = 22x - 1$. Find BD .

5) $BD = x + 31$, $AD = x + 40$, $AC = 28 + x$,
and $BC = 9$. Find AC .

6) Find AC if $BC = x + 14$, $AC = 24 + x$,
 $BD = x + 17$, and $AD = 25$.

7) Find CD if $BC = 2x - 4$, $AB = x + 5$,
 $CD = x - 1$, and $AD = 28$.

8) Find AC if $AD = x + 20$, $BD = 16$,
 $AC = x + 15$, and $BC = x + 13$.

9) Find AD if $BC = x + 4$, $BD = 14$,
 $AC = x + 12$, and $AD = x + 24$.

10) Find BD if $AB = x + 19$, $AC = x + 23$,
 $BD = x + 27$, and $CD = 11$.

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Answers to

- 1) 9
- 4) 21
- 7) 6
- 10) 15

- 2) 12
- 5) 18
- 8) 13

- 3) 18
- 6) 22
- 9) 22