

Name _____

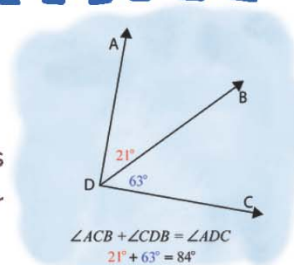
Name :

Class :



Angle Postulate

The sum of two adjacent angle measures will be equal to the measure of the larger angle they form.



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

1)

$AC = 3x - 5$, $BC = 10$, and $AB = -7 + 2x$.
Find AB .

2)

$AB = 9$, $AC = 5x - 1$, and $BC = 2x + 2$.
Find BC .

3)

$AC = 2x - 5$, $AB = 12$, and $BC = x - 6$.
Find BC .

4)

Find BC if $BC = x - 8$, $AC = 2x - 8$,
and $AB = 12$.

5)

$BC = -2 + 4x$, $AB = 2 + 2x$, and $AC = 12$.
Find AB .

6)

Find AC if $AB = x - 4$, $AC = 2x$,
and $BC = 12$.

7)

$AC = 13$, $BC = 2x + 8$, and $AB = x + 14$.
Find AB .

8)

$AB = 8$, $AC = x + 28$, and $BC = 2x + 31$.
Find BC .