



Assignment: The Segment Addition Postulate.

Using the diagram, find the value of  $x$ ,  $AB$ ,  $BC$ , and  $AC$ :

1.



$AB = 2x + 3$ $BC = x - 3$ $AC = 27$
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2.



$AB = 10$ $BC = 3x - 7$ $AC = 4x - 11$
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3.



$AB = 4x - 13$ $BC = x - 7$ $AC = 35$
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4.



$AB = 4x - 7$ $BC = 2x + 3$ $AC = 32$
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