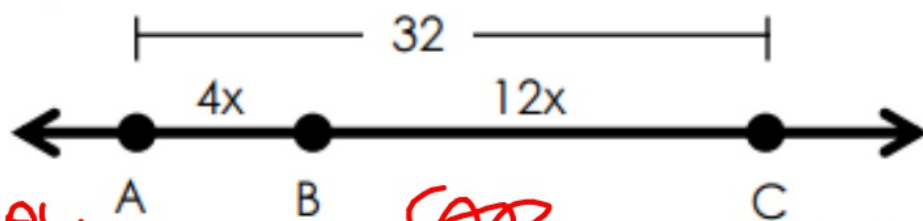


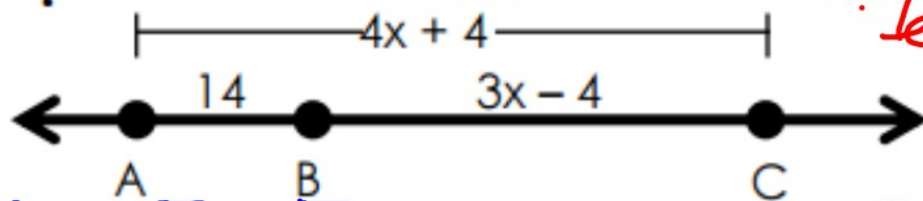
Example 3: Use the diagram to find BC.



$AB + BC = AC$
 $4x + 12x = 32$
 $16x = 32$
 $x = 2$
 $BC = 12x = 12(2) = 24$

Handwritten notes: S.A.P., Substitution, Combined like terms, division, multiplication.

Example 4: Use the diagram to find BC.



$AB + BC = AC$
 $14 + 3x - 4 = 4x + 4$
 $10 + 3x = 4x + 4$
 $-3x \quad -3x$
 $10 = 1x + 4$
 $-4 \quad -4$
 $6 = 1x$
 $6 = x$
 $BC = 3(6) - 4$
 $BC = 18 - 4$
 $BC = 14$

Handwritten notes: S.A.P., Sub, Subtraction, Division, Substitution, multiplication.