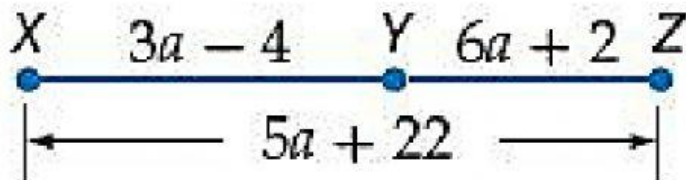


1. $XY = 3a - 4$, $YZ = 6a + 2$, $XZ = 5a + 22$

SOLUTION:

Here Y is between X and Z .



$$XZ =$$

$$= 3a - 4 + 6a + 2$$

$$5a + 22 =$$

$$5a + 2 + 22 = 9a - 2 + 2$$

$$5a - 5a + 24 = 9a - 5a$$

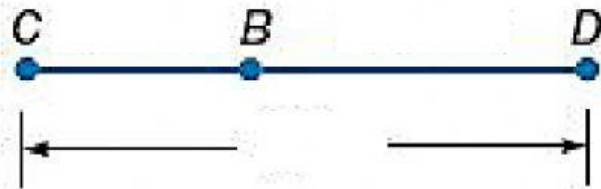
$$\underline{24} = \underline{4a}$$

$$a =$$

2. $CB = 4x - 9$, $BD = 3x + 5$, and $CD = 17$

SOLUTION:

Here B is between C and D .



$$= CB + BD$$

$$17 =$$

$$17 =$$

$$17 + 4 = 7x - 4 + 4$$

$$\underline{21} = \underline{7x}$$

$$x =$$