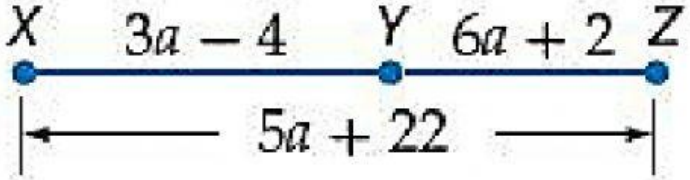
1. $XY = 3a - 4,\ YZ = 6a + 2,\ XZ = 5a + 22$

SOLUTION:

Here Y is between X and Z.



$$XZ =$$

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

$$5a + 22 =$$

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

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

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

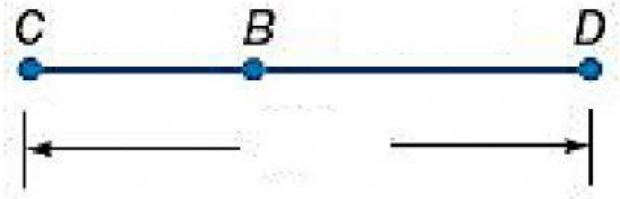
$$a =$$

LIVEWORKSHEETS

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

SOLUTION:

Here B is between C and D.



$= CB + BD$

$17 =$

$17 =$

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

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

x =

LIVEWORKSHEETS