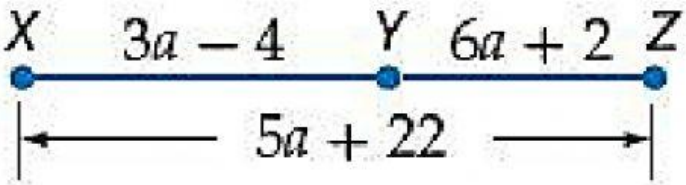
1. $XY = 3a - 4,\ YZ = 6a + 2,\ XZ = 5a + 22$

*SOLUTION:*

Here $Y$ is between $X$ and $Z$.




$$XZ =$$

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

$$5a + 22 =$$

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

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

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

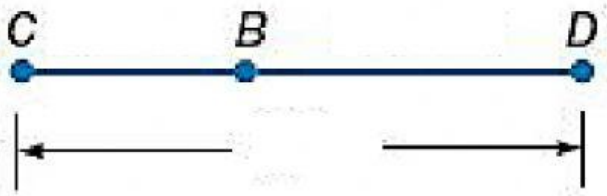
$$a =$$

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