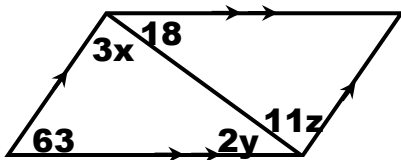


TOPIC 3-4: PARALLEL LINES IN PARALLELOGRAMS

Example 1: Find the values of 'x', 'y', and 'z'.

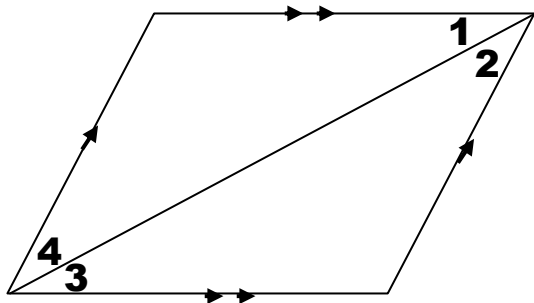


$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

$$z = \underline{\hspace{2cm}}$$

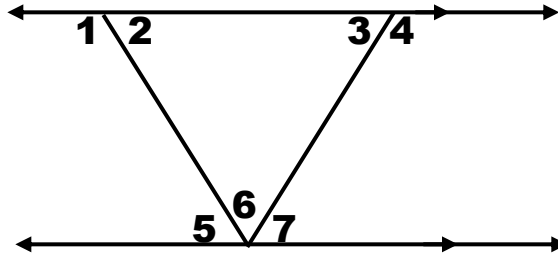
Example 2: If $m\angle 1 = (6y + 5)^\circ$, $m\angle 2 = (24)^\circ$, $m\angle 3 = 95^\circ$, and $m\angle 4 = (5x - 16)^\circ$, find the values of 'x' and 'y'.



$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

Example 3: If $m\angle 3 = (8x + 3)^\circ$ and $m\angle 4 = (20y - 3)^\circ$, and $m\angle 7 = (11x - 12)^\circ$, find the values of 'x' and 'y'.



$x =$ _____

$y =$ _____