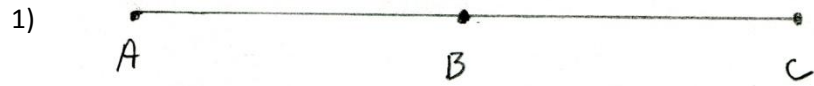
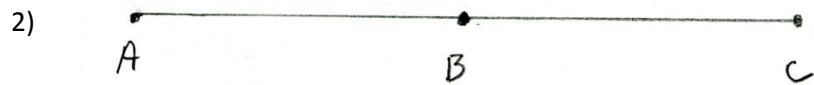


	Lesson #6: Line Segments & Algebra Practice Quiz	Name: _____
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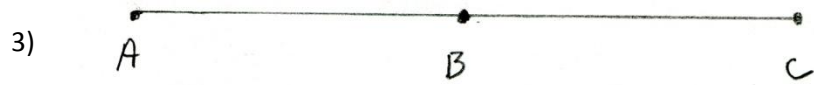


$\overline{AB} = 30$                    $\overline{BC} = 25$                    $\overline{AC} = \underline{\hspace{1cm}}$



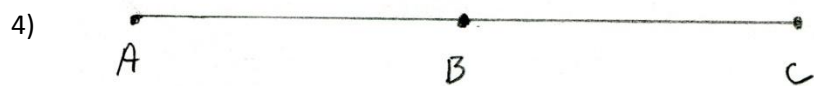
$\overline{AB} = 2x + 20$                    $\overline{BC} = x + 10$                    $\overline{AC} = 120$

What is the value of X & what is the length of each segment?



$\overline{AB} = 2x + 10$                    $\overline{BC} = 3x - 20$                    $\overline{AC} = 2x + 50$

What is the value of X & what is the length of each segment?



Point B is the midpoint of segment  $\overline{AC}$

$\overline{AB} = 20$                    $\overline{BC} = \underline{\hspace{1cm}}$                    $\overline{AC} = \underline{\hspace{1cm}}$

What is the length of each segment?

5)

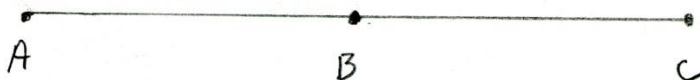


Point B is the midpoint of segment  $\overline{AC}$

$$\overline{AB} = \underline{\hspace{2cm}} \quad \overline{BC} = \underline{\hspace{2cm}} \quad \overline{AC} = 60$$

What is the length of each segment?

6)

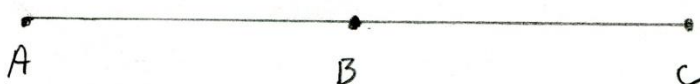


Point B is the midpoint of segment  $\overline{AC}$

$$\overline{AB} = 2x + 2 \quad \overline{BC} = \underline{\hspace{2cm}} \quad \overline{AC} = 40$$

What is the value of X & what is the length of each segment?

7)

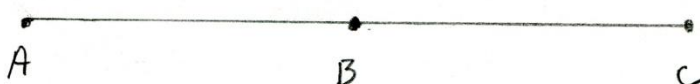


Point B is the midpoint of segment  $\overline{AC}$

$$\overline{AB} = 3x + 5 \quad \overline{BC} = \underline{\hspace{2cm}} \quad \overline{AC} = 9x + 7$$

What is the value of X & what is the length of each segment?

8)



Point B is the midpoint of segment  $\overline{AC}$

$$\overline{AB} = x + 2 \quad \overline{BC} = \underline{\hspace{2cm}} \quad \overline{AC} = x^2 + 1$$

What is the value of X & what is the length of each segment?