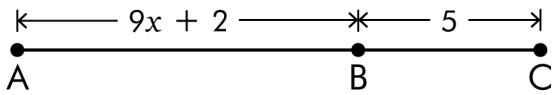


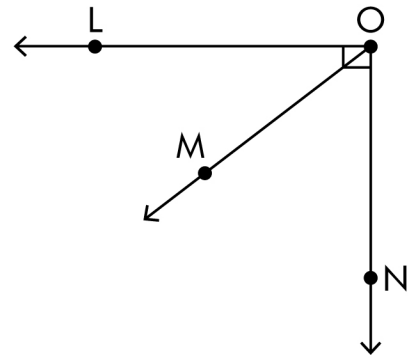
# Segment and Angle Addition Exercise

1) If  $AC = 43$ , find  $AB$ .



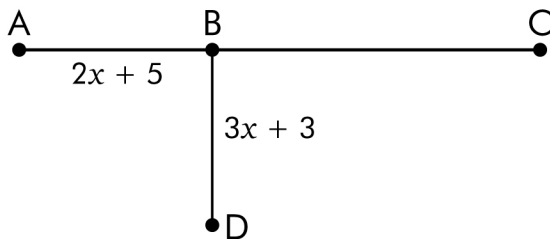
$AB = \underline{\hspace{2cm}}$

2)  $m\angle LOM = 37^\circ$ . Find  $m\angle MON$ .



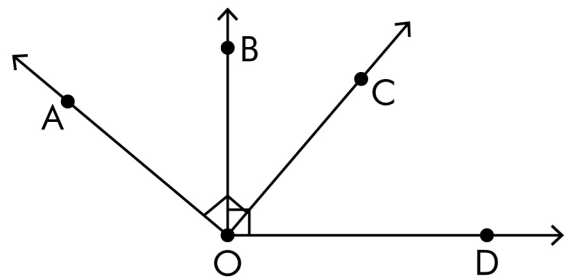
$m\angle MON = \underline{\hspace{2cm}}$

3) If  $AC = 42$  and  $AB = BD$ , find  $AB$ .



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

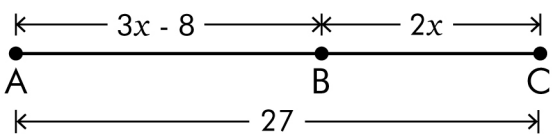
4)  $m\angle AOC \cong m\angle BOD = 90^\circ$ .  $m\angle AOB = 45^\circ$ . Find  $m\angle BOC$  and  $m\angle COD$ .



$m\angle BOC = \underline{\hspace{2cm}}$

$m\angle COD = \underline{\hspace{2cm}}$

5) Solve for  $x$ . Find  $AB$  and  $BC$ .

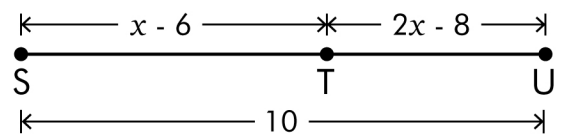


$x = \underline{\hspace{2cm}}$

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

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

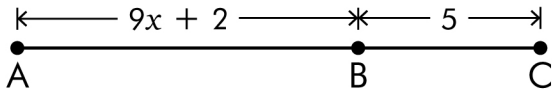
6) Find  $ST$ .



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

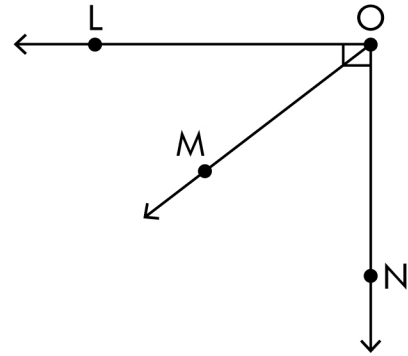
# Segment and Angle Addition Exercise

1) If  $AC = 43$ , find  $AB$ .



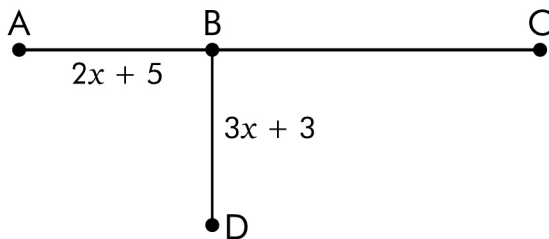
$AB = \underline{38}$

2)  $m\angle LOM = 37^\circ$ . Find  $m\angle MON$ .



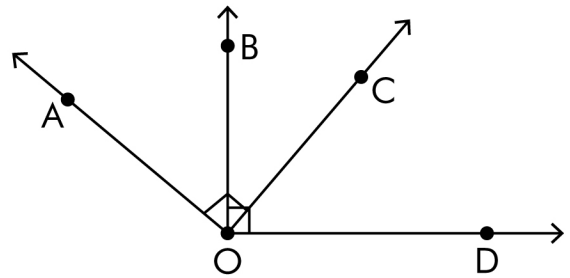
$m\angle MON = \underline{53^\circ}$

3) If  $AC = 42$  and  $AB = BD$ , find  $AB$ .



$AB = \underline{9}$

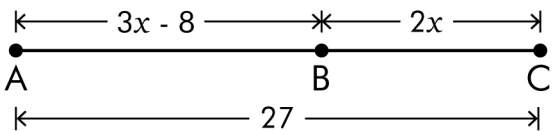
4)  $m\angle AOC \cong m\angle BOD = 90^\circ$ .  $m\angle AOB = 45^\circ$ . Find  $m\angle BOC$  and  $m\angle COD$ .



$m\angle BOC = \underline{45^\circ}$

$m\angle COD = \underline{45^\circ}$

5) Solve for  $x$ . Find  $AB$  and  $BC$ .

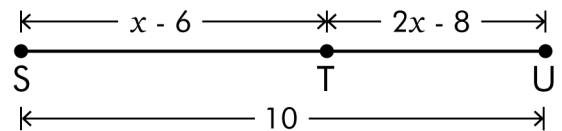


$x = \underline{7}$

$AB = \underline{13}$

$BC = \underline{14}$

6) Find  $ST$ .



$ST = \underline{2}$