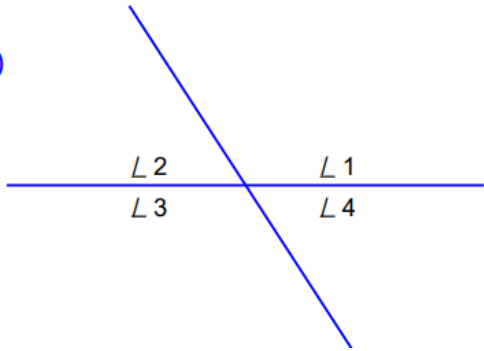




## Find the missing vertical angles.

1)



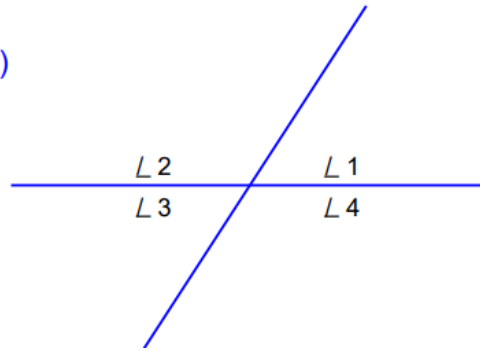
$$L1 = \underline{\hspace{2cm}}$$

$$L2 = \underline{57^\circ}$$

$$L3 = \underline{123^\circ}$$

$$L4 = \underline{\hspace{2cm}}$$

2)



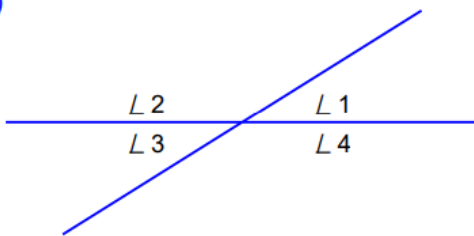
$$L1 = \underline{\hspace{2cm}}$$

$$L2 = \underline{\hspace{2cm}}$$

$$L3 = \underline{57^\circ}$$

$$L4 = \underline{123^\circ}$$

3)



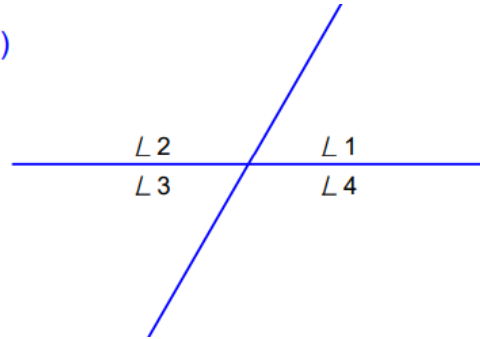
$$L1 = \underline{32^\circ}$$

$$L2 = \underline{\hspace{2cm}}$$

$$L3 = \underline{\hspace{2cm}}$$

$$L4 = \underline{148^\circ}$$

4)



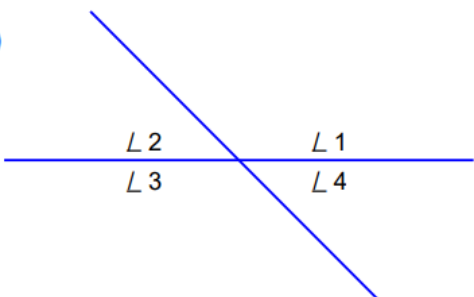
$$L1 = \underline{60^\circ}$$

$$L2 = \underline{120^\circ}$$

$$L3 = \underline{\hspace{2cm}}$$

$$L4 = \underline{\hspace{2cm}}$$

5)



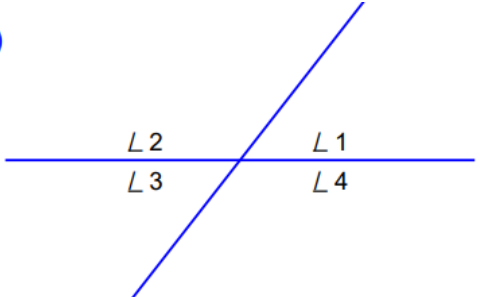
$$L1 = \underline{135^\circ}$$

$$L2 = \underline{45^\circ}$$

$$L3 = \underline{\hspace{2cm}}$$

$$L4 = \underline{\hspace{2cm}}$$

6)



$$L1 = \underline{\hspace{2cm}}$$

$$L2 = \underline{128^\circ}$$

$$L3 = \underline{52^\circ}$$

$$L4 = \underline{\hspace{2cm}}$$



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## Answers

1.  $\angle 1 = 123$  ;  $\angle 4 = 57$

2.  $\angle 1 = 57$  ;  $\angle 2 = 123$

3.  $\angle 2 = 148$  ;  $\angle 3 = 32$

4.  $\angle 3 = 60$  ;  $\angle 4 = 120$

5.  $\angle 3 = 135$  ;  $\angle 4 = 45$

6.  $\angle 1 = 52$  ;  $\angle 4 = 128$