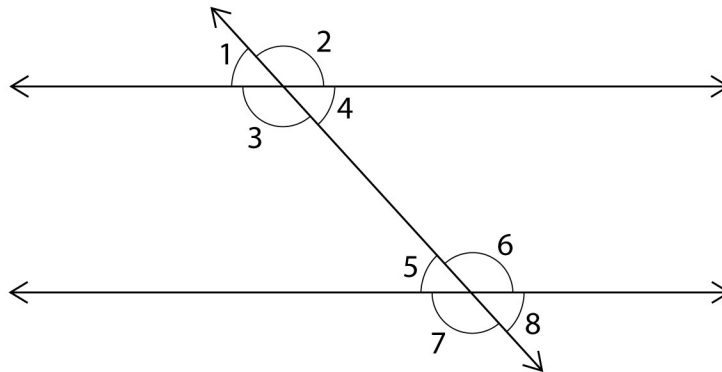


Lines and Transversals Exercise

A) Use the figure below to answer the following.



1) If $m\angle 3 = 123^\circ$, $m\angle 7 =$ _____

2) If $m\angle 4 = 43^\circ$, $m\angle 6 =$ _____

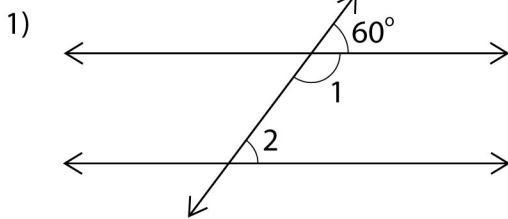
3) If $m\angle 2 = 161^\circ$, $m\angle 6 =$ _____

4) If $m\angle 6 = 112^\circ$, $m\angle 5 =$ _____

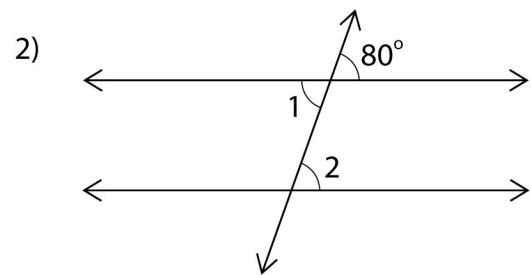
5) If $m\angle 1 = 30^\circ$, $m\angle 5 =$ _____

6) If $m\angle 4 = 52^\circ$, $m\angle 8 =$ _____

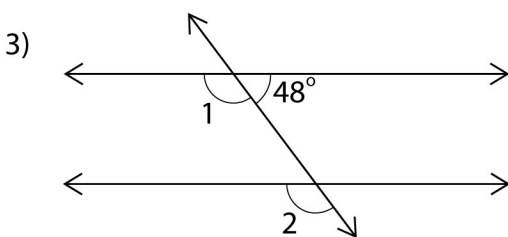
B) Find the values of $\angle 1$ and $\angle 2$ in each figure.



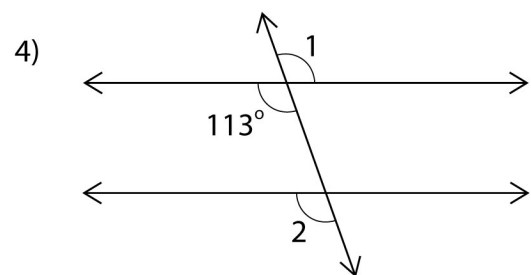
$\angle 1 =$ _____ $\angle 2 =$ _____



$\angle 1 =$ _____ $\angle 2 =$ _____



$\angle 1 =$ _____ $\angle 2 =$ _____

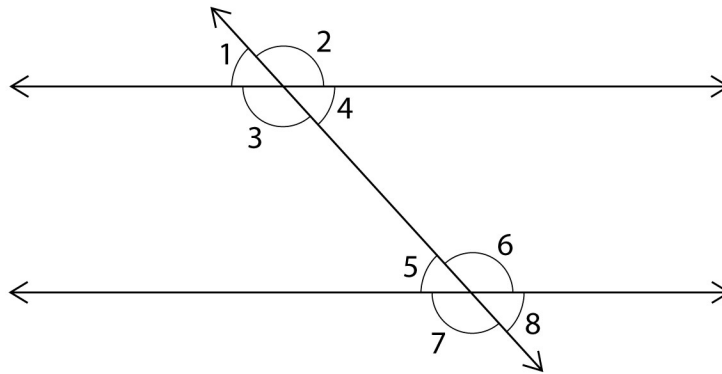


$\angle 1 =$ _____ $\angle 2 =$ _____

Lines and Transversals Exercise

A)

Answers



1) If $m\angle 3 = 123^\circ$, $m\angle 7 = \underline{123^\circ}$

2) If $m\angle 4 = 43^\circ$, $m\angle 6 = \underline{137^\circ}$

3) If $m\angle 2 = 161^\circ$, $m\angle 6 = \underline{161^\circ}$

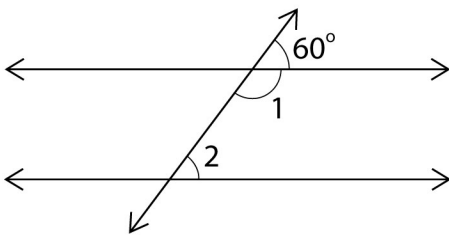
4) If $m\angle 6 = 112^\circ$, $m\angle 5 = \underline{68^\circ}$

5) If $m\angle 1 = 30^\circ$, $m\angle 5 = \underline{30^\circ}$

6) If $m\angle 4 = 52^\circ$, $m\angle 8 = \underline{52^\circ}$

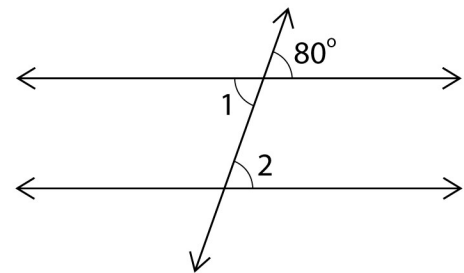
B)

1)



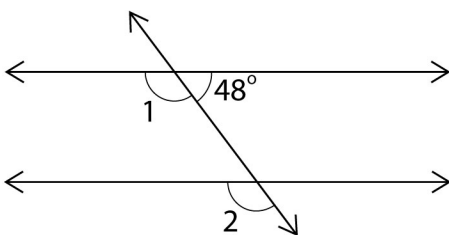
$\angle 1 = \underline{120^\circ}$ $\angle 2 = \underline{60^\circ}$

2)



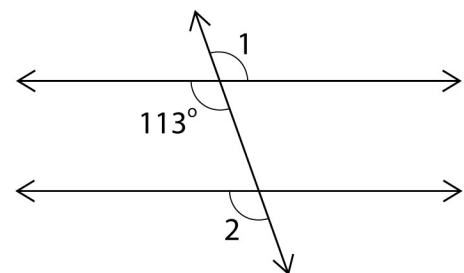
$\angle 1 = \underline{80^\circ}$ $\angle 2 = \underline{80^\circ}$

3)



$\angle 1 = \underline{132^\circ}$ $\angle 2 = \underline{132^\circ}$

4)



$\angle 1 = \underline{113^\circ}$ $\angle 2 = \underline{113^\circ}$