

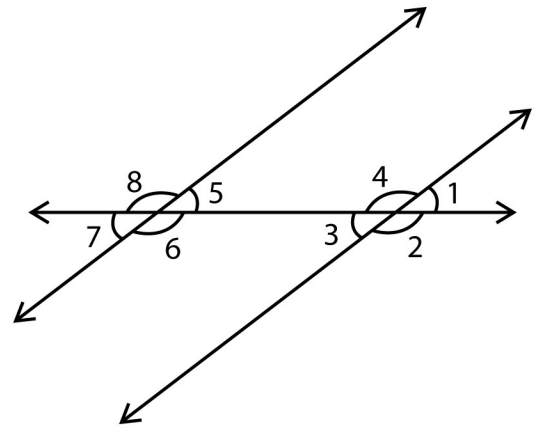
# Parallel Lines and Transversals Practice

A) Using the figure below, find the value of  $x$  for each problem.

1)  $m\angle 4 = 77^\circ$ ;  $m\angle 8 = 4x + 57^\circ$   $\therefore x =$  \_\_\_\_\_

2)  $m\angle 3 = 5x + 13$ ;  $m\angle 5 = 53^\circ$   $\therefore x =$  \_\_\_\_\_

3)  $m\angle 1 = 6x - 5$ ;  $m\angle 7 = 115^\circ$   $\therefore x =$  \_\_\_\_\_



B) Find the missing angles in the given figure.

1)  $m\angle 1 =$  \_\_\_\_\_

2)  $m\angle 3 =$  \_\_\_\_\_

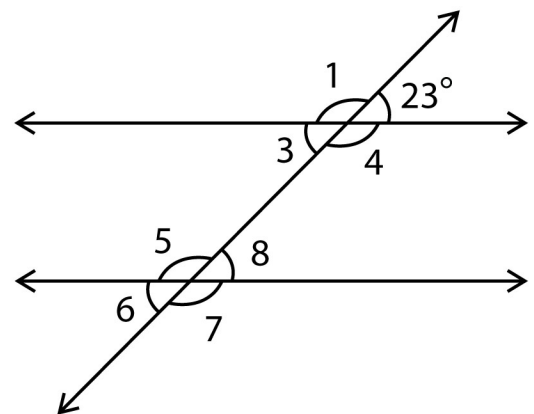
3)  $m\angle 4 =$  \_\_\_\_\_

4)  $m\angle 5 =$  \_\_\_\_\_

5)  $m\angle 6 =$  \_\_\_\_\_

6)  $m\angle 7 =$  \_\_\_\_\_

7)  $m\angle 8 =$  \_\_\_\_\_



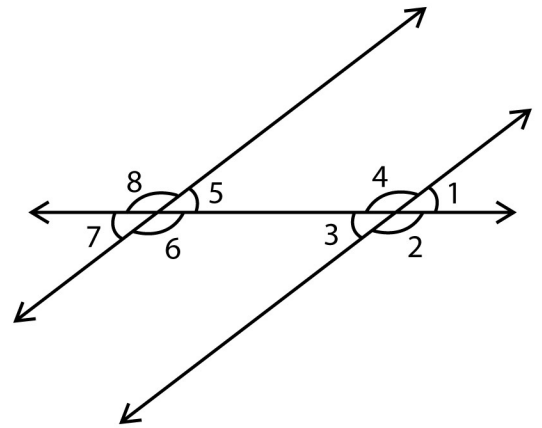
# Parallel Lines and Transversals Practice

A) Answers

1)  $m\angle 4 = 77^\circ$ ;  $m\angle 8 = 4x + 57^\circ$   $\therefore x =$  5°

2)  $m\angle 3 = 5x + 13$ ;  $m\angle 5 = 53^\circ$   $\therefore x =$  8°

3)  $m\angle 1 = 6x - 5$ ;  $m\angle 7 = 115^\circ$   $\therefore x =$  20°



B)

1)  $m\angle 1 =$  157°

2)  $m\angle 3 =$  23°

3)  $m\angle 4 =$  157°

4)  $m\angle 5 =$  157°

5)  $m\angle 6 =$  23°

6)  $m\angle 7 =$  157°

7)  $m\angle 8 =$  23°

