INTERSECTING LINES
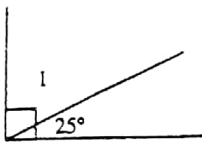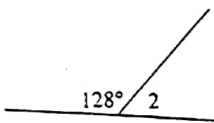
Find the measure of each required angle and give the reason for your answer.

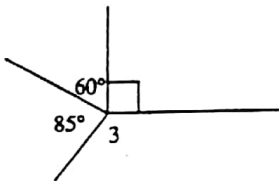**1.**

∠1 = _____ _____

2.

∠2 = _____ _____

3.

∠3 = _____ _____

4.
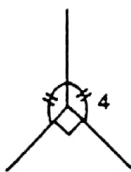
∠4 = _____ _____

5.
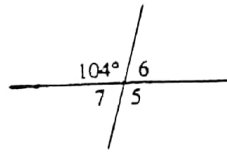
∠5 = _____ _____

∠6 = _____ _____

∠7 = _____ _____

6.
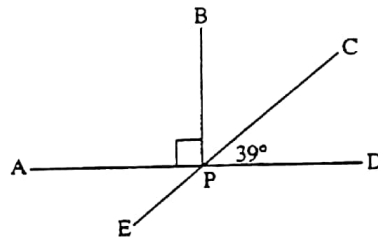
∠BPD = _____ _____

∠BPC = _____ _____

∠APE = _____ _____

7.
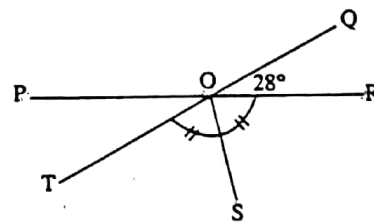
∠POT = _____ _____

∠POQ = _____ _____

∠ROT = _____ _____

∠ROS = _____ _____

8.
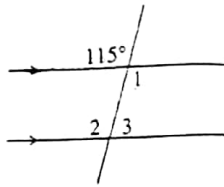
∠1 = _____ _____

∠2 = _____ _____

∠3 = _____ _____

9.
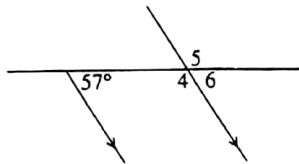
∠4 = _____ _____

∠5 = _____ _____

∠6 = _____ _____

10.
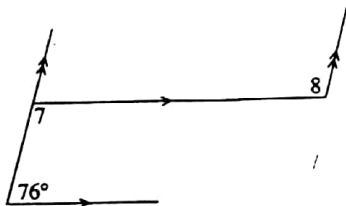
∠7 = _____ _____

∠8 = _____ _____

11.
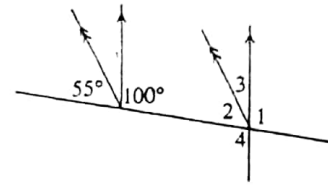
∠1 = _____ _____

∠2 = _____ _____

∠3 = _____ _____

∠4 = _____ _____

12.
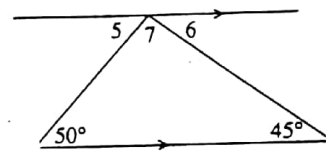
∠5 = _____ _____

∠6 = _____ _____

∠7 = _____ _____

13.
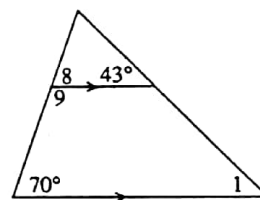
∠8 = _____ _____

∠9 = _____ _____

∠1 = _____ _____

14.
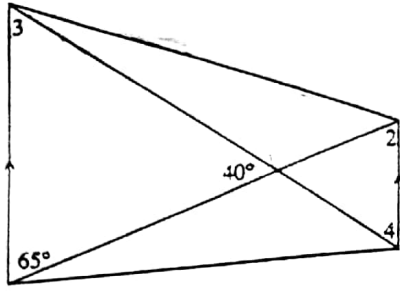
$\angle 2 =$ _____ _____

$\angle 3 =$ _____ _____

$\angle 4 =$ _____ _____

15.
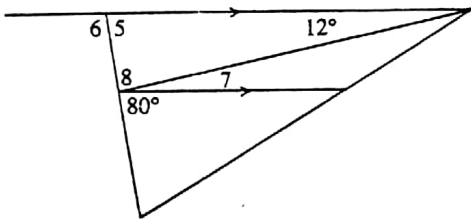
$\angle 5 =$ _____ _____

$\angle 6 =$ _____ _____

$\angle 7 =$ _____ _____

$\angle 8 =$ _____ _____

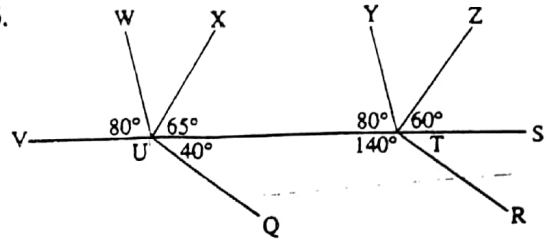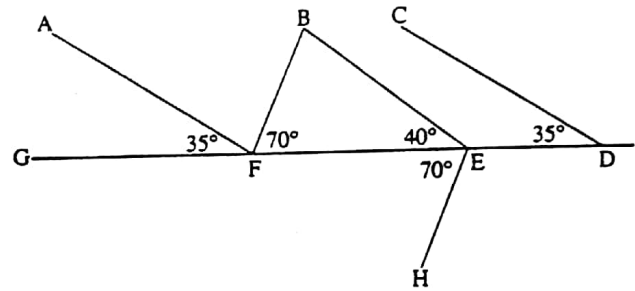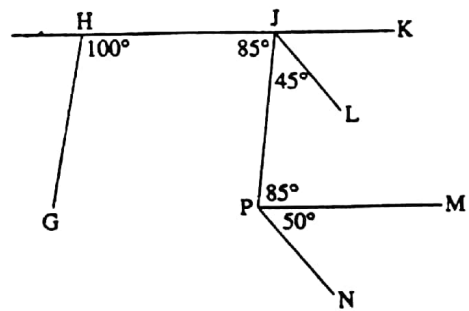Name 2 pairs of parallel segments in each figure. State the reason for your answer.
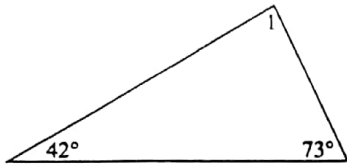
16.

UW || _____ _____

_____ _____

17.

_____ _____

_____ _____

18.

_____ _____

_____ _____

TRIANGLES

Find the measure of each required angle and give the reason for your answer.

1.

∠1 = _____ _____

2.
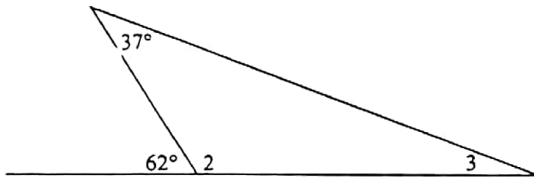
∠2 = _____ _____

∠3 = _____ _____

3.
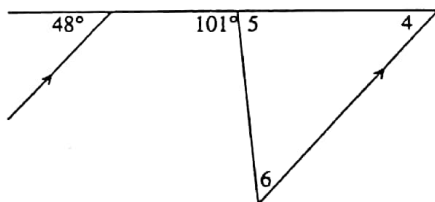
∠4 = _____ _____

∠5 = _____ _____

∠6 = _____ _____

4.
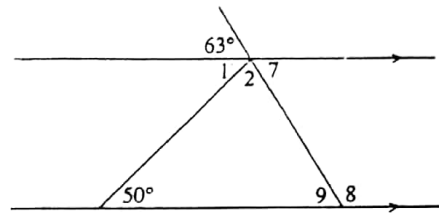
∠7 = _____ _____

∠8 = _____ _____

∠9 = _____ _____

∠1 = _____ _____

∠2 = _____ _____

5.
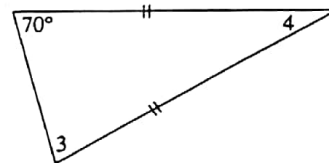
∠3 = _____ _____

∠4 = _____ _____

6.
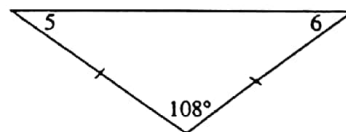
∠5 = _____ _____

∠6 = _____ _____

7.
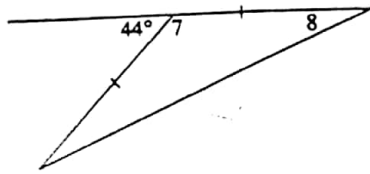
∠7 = ____ _____

∠8 = ____ _____

8.
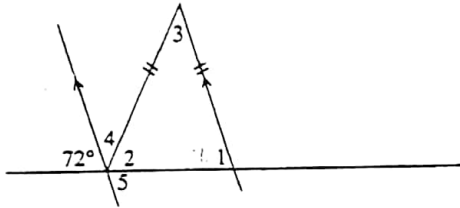
∠1 = ____ _____

∠2 = ____ _____

∠3 = ____ _____

∠4 = ____ _____

∠5 = ____ _____

9.

∠6 = ____ _____

∠7 = ____ _____

10.

∠1 = ____ _____

∠2 = ____ _____

∠3 = ____ _____

∠4 = ____ _____

11.

∠6 = ____ _____

∠7 = ____ _____

∠8 = ____ _____

12.

∠1 = ____ _____

∠2 = ____ _____

∠3 = ____ _____