Angles in Triangle

Check whether the angles X, Y and Z form a triangle. Write Yes or No. Complete the table.

Q.No	Angle X	Angle Y	Angle Z	Sum of Angles	Is form a triangle?
1)	6^0	161^0	13^0		
2)	55^0	75^0	30^0		
3)	45^0	90^0	45^0		
4)	118^0	7^0	69^0		
5)	26^0	53^0	101^0		

Check whether the three angles form a triangle. Write Yes or No.

1) 33^0 , 99^0 , 5^0

2) 116^0 , 41^0 , 23^0

3) 50^0 , 10^0 , 120^0

4) 65^0 , 85^0 , 70^0

5) 1^0 , 158^0 , 4^0

6) 171^0 , 2^0 , 7^0

Angles in Triangle

Answer key

Check whether the angles X, Y and Z form a triangle. Write Yes or No. Complete the table.

Q.No	Angle X	Angle Y	Angle Z	Sum of Angles	Is form a triangle?
1)	6^0	161^0	13^0	$6^0 + 161^0 + 13^0 = 180^0$	**Yes**
2)	55^0	75^0	30^0	$55^0 + 75^0 + 30^0 \neq 180^0$	**No**
3)	45^0	90^0	45^0	$45^0 + 90^0 + 45^0 = 180^0$	**Yes**
4)	118^0	7^0	69^0	$118^0 + 7^0 + 69^0 \neq 180^0$	**No**
5)	26^0	53^0	101^0	$26^0 + 53^0 + 101^0 = 180^0$	**Yes**

Check whether the three angles form a triangle. Write Yes or No.

1) 33^0 , 99^0 , 5^0

   No

2) 116^0 , 41^0 , 23^0

   Yes

3) 50^0 , 10^0 , 120^0

   Yes

4) 65^0 , 85^0 , 70^0

   No

5) 1^0 , 158^0 , 4^0

   No

6) 171^0 , 2^0 , 7^0

   Yes