Name: **Grade:** **Score:**

Worksheet #1

MeandMath

ANGLE SUM OF TRIANGLE

Learning goal: Students will be able to verify if given angles can form a triangle by checking if their sum equals 180°

Instruction: State whether the given set of angles form a triangle.

86°,53°,41°	**47°, 84°, 56°**
70°, 22°, 68°	**54°, 97°, 29°**
33°, 90°, 57°	**33°, 90°, 57°**
28°, 64°, 100°	**11°, 101°, 60°**
94°, 35°, 51°	**60°, 60°, 60°**
45°, 45°, 90°	**30°, 60°, 100°**

Name: **Grade:** **Score:**

Worksheet #1 (Answers)

MeandMath

ANGLE SUM OF TRIANGLE

Learning goal: Students will be able to verify if given angles can form a triangle by checking if their sum equals 180°

Instruction: State whether the given set of angles form a triangle.

86°,53°,41°

Solution:
86 + 53 + 41 = 180°
Yes, it forms triangle

47°, 84°, 56°

Solution:
47 + 84 + 56 = 187°
No, it does not form triangle

70°, 22°, 68°

Solution:
70 + 22 + 68 = 160°
No, it does not form triangle

54°, 97°, 29°

Solution:
54 + 97 + 29 = 180°
Yes, it forms triangle

33°, 90°, 57°

Solution:
33°+ 90°+ 57°= 180°
Yes, it forms triangle

33°, 90°, 57°

Solution:
33 + 90 + 57 = 180°
Yes, it forms triangle

28°, 64°, 100°

Solution:
28 + 64 + 100 = 192°
No, it does not form triangle

11°, 101°, 60°

Solution:
11 + 101 + 60 = 172°
No, it does not form triangle

94°, 35°, 51°

Solution:
94 + 35 + 51 = 180°
Yes, it forms triangle

60°, 60°, 60°

Solution:
47 + 84 + 56 = 187°
Yes, it forms triangle

45°, 45°, 90°

Solution:
45 + 45 + 90 = 180°
Yes, it forms triangle

30°, 60°, 100°

Solution:
30 + 60 + 100 = 190°
No, it does not form triangle