

Trigonometry

Name: _____

DLA 3

Class: _____

Due Date: _____

Score: _____

No Work \Leftrightarrow No Points

Use Pencil Only \Leftrightarrow Be Neat & Organized

-
1. (2 points) What do you know about the sum of all interior angles in any triangle? Full drawing required.

1. _____

2. (2 points) Three interior angles of a triangle are marked x° , $2x^\circ$ and $3x^\circ$. Find the measure of each angle. Full drawing required.

2. _____

3. (2 points) What do you know about the sum of any two interior angles in any triangle? Full drawing required.

3. _____

4. (3 points) Two interior angles of a triangle are marked $(2x - 10)^\circ$ and $(3x + 10)^\circ$. The third interior angle is measured 80° . Find the measure of each missing interior angle. Full drawing required.

4. _____

5. (4 points) Two interior angles are marked $(7x + 5)^\circ$ and $(3x + 45)^\circ$. The exterior angle of the unmarked interior angle is measured 50° . Find the measure of all interior angles. Full drawing required.

5. _____

6. (4 points) The measure of all three interior angles are three consecutive integers. Find the measure of the largest angle. Full drawing required.

6. _____

7. (4 points) The measure of one of interior angle in a triangle is half of another interior angle. The smallest interior angle is one-sixth of the largest interior angle. Find the measure of the smallest interior angle. Full drawing required.

7. _____

8. (4 points) The measure of all three interior angles are three consecutive odd integers. What do you conclude about such triangle? Full drawing required.

8. _____