

MATH8 QUARTER 4 LEARNING ACTIVITY SHEET NO. 2 – TOPIC: TRIANGLE INEQUALITY THEOREM

DIRECTIONS: TYPE YOUR ANSWER IN THE BOX PROVIDED, CLICK FINISH THEN CLICK CHECK MY ANSWER.

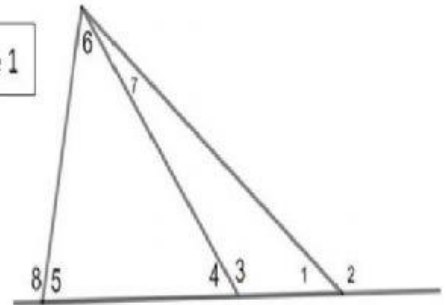


Activity 1-A:

Directions: Using the figure 1, use the symbol $<$, $=$, or $>$ to compare the angles. Questions 1, 2 & 3 has been done for you as an example. Start answering question 4.

- | | |
|---------------------------------|--|
| 1.) $\angle 8 > \angle 6$ | 6.) $\angle 3$ _____ $\angle 5$ |
| 2.) $\angle 2 > \angle 3$ | 7.) $\angle 8$ _____ $\angle 6 + \angle 4$ |
| 3.) $\angle 3 > \angle 6$ | 8.) $\angle 2$ _____ $\angle 7 + \angle 3$ |
| 4.) $\angle 7$ _____ $\angle 2$ | 9.) $\angle 3$ _____ $\angle 6 + \angle 5$ |
| 5.) $\angle 8$ _____ $\angle 4$ | 10.) $\angle 7$ _____ $\angle 4$ |

Figure 1



Activity 1-B:

Directions: Using figure 1, find the measures of the angles.

- | | |
|---|--------------------------|
| 1.) If $m\angle 6 = 55^\circ$, $m\angle 4 = 60^\circ$ | then $m\angle 8 =$ _____ |
| 2.) If $m\angle 7 = 25^\circ$, $m\angle 3 = 120^\circ$ | then $m\angle 2 =$ _____ |
| 3.) If $m\angle 3 = 120^\circ$, $m\angle 6 = 55^\circ$ | then $m\angle 5 =$ _____ |

TOTAL SCORE: 10 POINTS