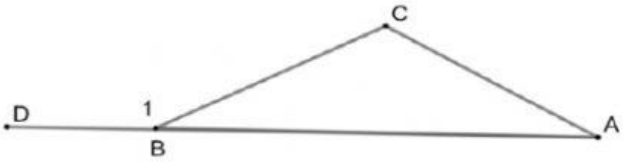
MATH 8 QUARTER 4 LAS 2B: LESSON: EXTERIOR ANGLE THEOREM & HINGE THEOREM

DIRECTIONS: FOR GUIDE QUESTIONS AND ACTIVITY QUESTIONS, TYPE YOUR ANSWER IN THE BOX PROVIDED, CLICK FINISH THEN CLICK CHECK MY ANSWER.

Guide Questions



1. *What is the exterior angle of ΔABC?* _____
2. *Write the correct inequality symbol in the box to write two inequalities to describe $\angle 1$.*
   $\angle 1$ ☐ $\angle A$ *and* $\angle 1$ ☐ $\angle C$
3. *What theorem did you use to come up with your answer in question #2?* _____
4. *What is the relationship between the exterior angle of a triangle and its two-remote interior angle?* _____
   a. *Exterior angle is* ***greater than*** *the measure of either remote interior angles.*
   b. *Exterior angle is* ***less than*** *the measure of either remote interior angles.*
   c. *Exterior angle is* ***equal to*** *the measure of either remote interior angles.*

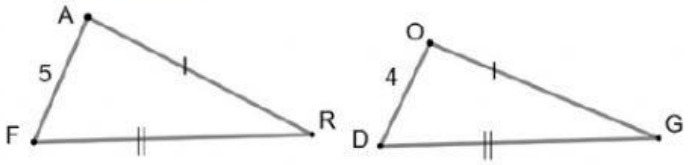
Activity 1:

Directions: Complete the statement by writing **<, = or >** in each BOX.

1.) In ΔFAR and ΔDOG

$\overline{AR} \cong \overline{OG}$ and $\overline{FR} \cong \overline{DG}$

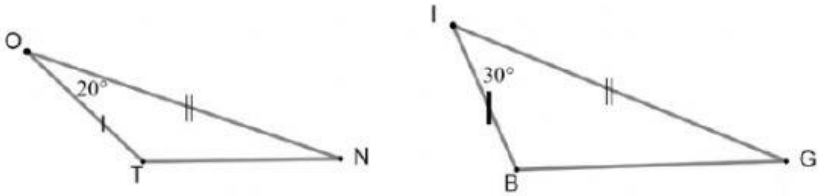
∠R_____∠G



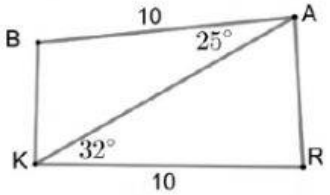
2.) In ΔTOR and ΔBIG

$\overline{TO} \cong \overline{BI}$ and $\overline{ON} \cong \overline{IG}$

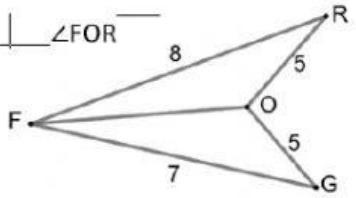
$\overline{TN}$_____$\overline{BG}$



3.) $\overline{AR}$ _____$\overline{BK}$



4.) ∠FOG ___|___∠FOR

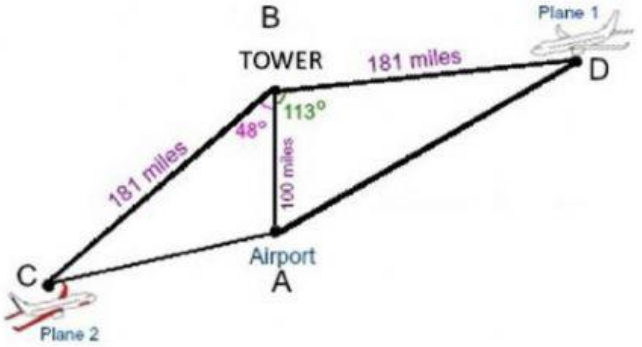


Guide Questions

Which plane is closer to the airport?

A. Plane 1
B. Plane 2

Total Score: 10 points



LIVEWORKSHEETS