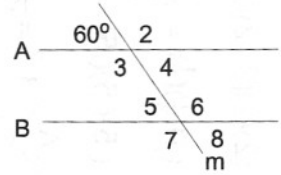




Unit 30 Practice Problems

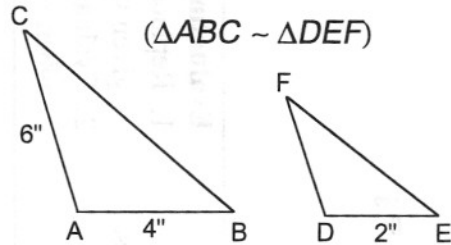
Use angle descriptions A - D and the figure to their right to answer questions 1 - 8.

- A) Alternate Interior Angles
- B) Alternate Exterior Angles
- C) Corresponding Angles
- D) Vertical Angles

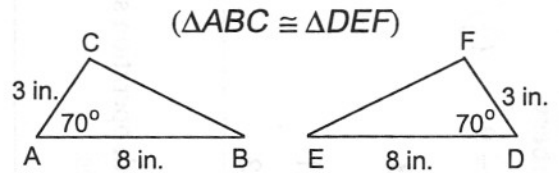


- 1) $\angle 2$ and $\angle 3$ are _____ angles.
- 2) $\angle 3$ and $\angle 6$ are _____ angles.
- 3) $\angle 2$ and $\angle 7$ are _____ angles.
- 4) $\angle 4$ and $\angle 8$ are _____ angles.
- 5) $\angle 5$ measures _____ degrees.
- 6) $\angle 8$ measures _____ degrees.
- 7) $\angle 5$, $\angle 6$, $\angle 7$, and $\angle 8$ total _____ degrees.
- 8) $\angle 5$ and $\angle 6$ total _____ degrees.

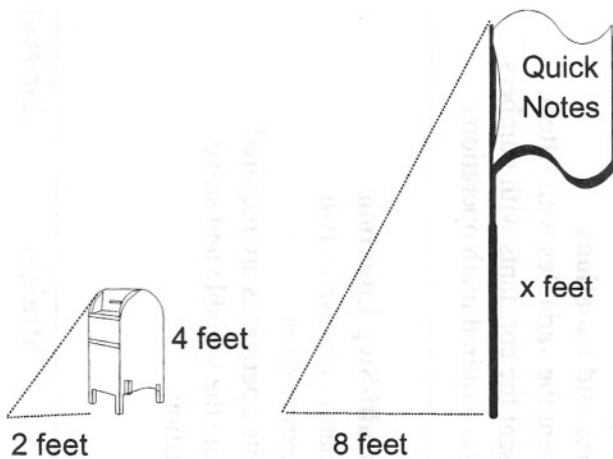
9) Triangles ABC and DEF are similar. Find the length of side DF.



10) Are triangles ABC and DEF congruent? Why?



11) The sun causes a 4 foot tall mailbox to cast a 2 foot shadow. How tall is a flagpole which casts an 8 foot shadow?

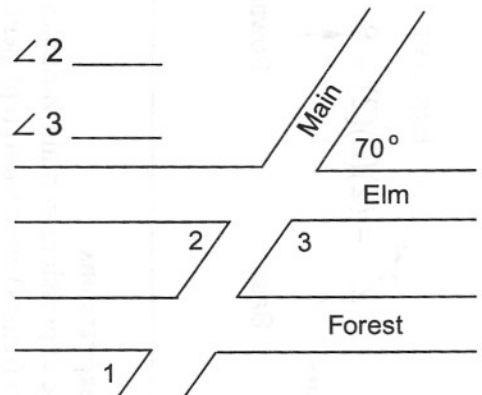


12) Elm and Forest Streets are parallel and crossed by Main Street. Find the measure of:

A. $\angle 1$ _____

B. $\angle 2$ _____

C. $\angle 3$ _____



Unit 30 answers are on page 239.

Unit 30 additional practice problems are on page 185.