Name: _____
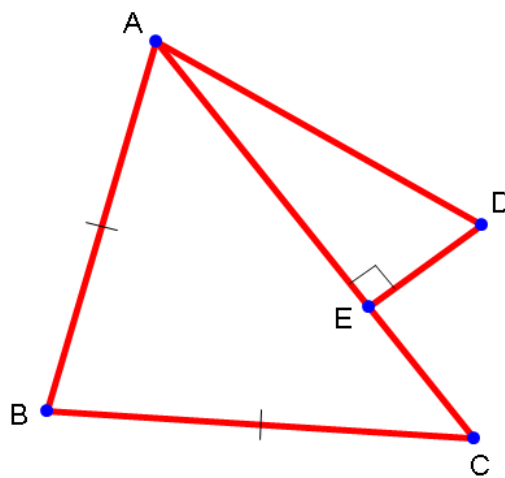
Triangle Classification

A) 1) ⊿ *DEF* is an equilateral triangle in which *ED* = 7*x* + 5 and
   DF = 11*x* − 3. Find the measure of each side.

B) Refer to the diagram to answer the questions

2) Write the given

Classify each triangle

3) ⊿*ABC*

4) ⊿*DEF*

C) 5) △*DEF* is an equilateral triangle in which *ED* = $x + 5$ and *DF* = $3x - 3$. Find the measure of each side.
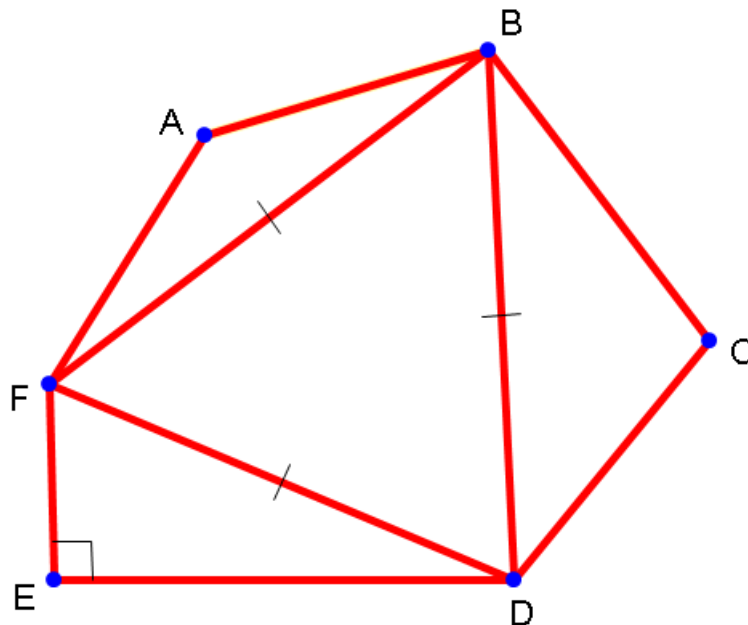
D) Refer to the diagram to answer the questions

Classify each triangle

6) △*BDF*

7) △*FED*

8) What is the measure of angle FDB?