1) Textbook questions: Page 90: # 3 – 6, 9, 12, 14 & 15
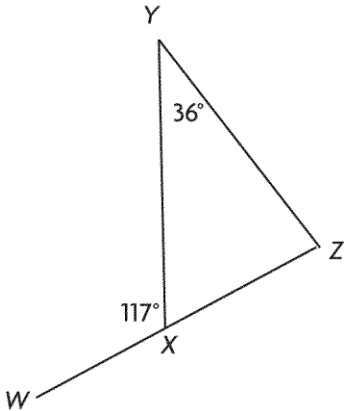**2) Textbook questions: Page 99: # 1 – 3, 6, 7(a), 10 & 11**
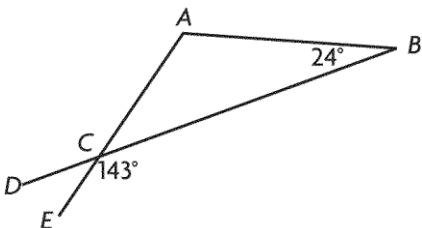
Multiple Choice: *Identify the choice that best completes the statement or answers the question.*

_____   1.   Which are the correct measures for $\angle YXZ$ and $\angle XZY$?
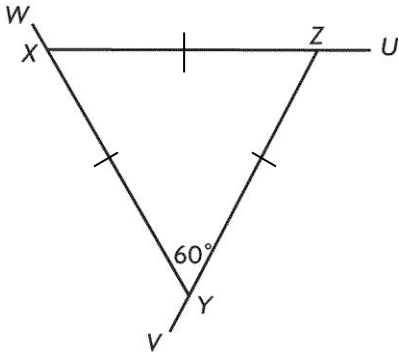

a. $\angle YXZ = 63°$, $\angle XZY = 91°$
b. $\angle YXZ = 53°$, $\angle XZY = 91°$
c. $\angle YXZ = 63°$, $\angle XZY = 81°$
d. $\angle YXZ = 53°$, $\angle XZY = 81°$

_____   2.   Which are the correct measures for $\angle DCE$ and $\angle CAB$?

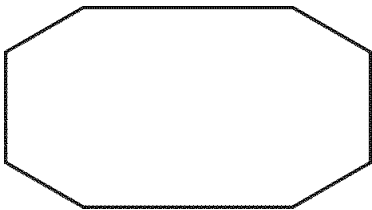a. $\angle DCE = 47°$, $\angle CAB = 109°$
b. $\angle DCE = 37°$, $\angle CAB = 119°$
c. $\angle DCE = 13°$, $\angle CAB = 143°$
d. $\angle DCE = 31°$, $\angle CAB = 134°$

_____   3.   Which are the correct measures for $\angle WXZ$, $\angle UZY$, and $\angle VYX$?

a. $\angle WXZ$ and $\angle UZY$ cannot be determined; $\angle VYX = 120°$
b. $\angle WXZ$, $\angle UZY$, and $\angle VYX$ cannot be determined.
c. $\angle WXZ$ cannot be determined; $\angle UZY = 120°$, $\angle VYX = 120°$
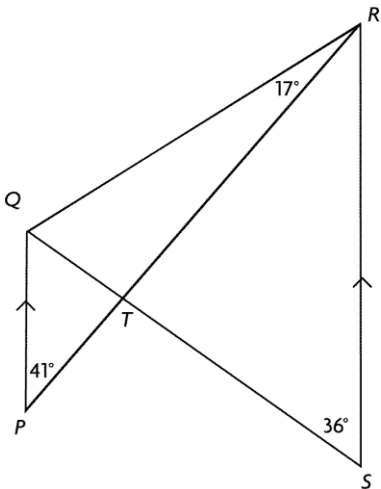d. $\angle WXZ = 120°$, $\angle UZY = 120°$, and $\angle VYX = 120°$

_____   4.   Determine the sum of the measures of the interior angles of this polygon.

a.   1080°
b.   1440°
c.   720°
d.   540°

Short Answer: Show your work to receive full value
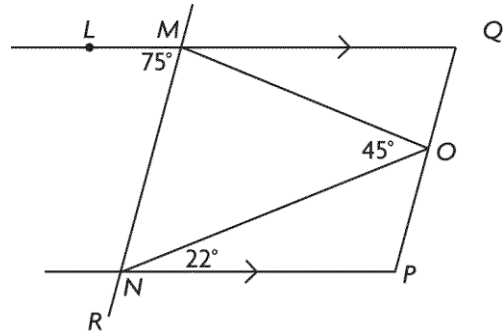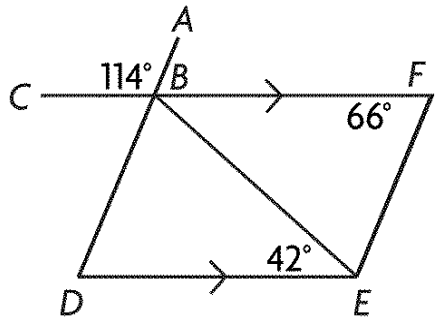   5.   Determine the measure of $\angle TRS$. **State your reasoning.**
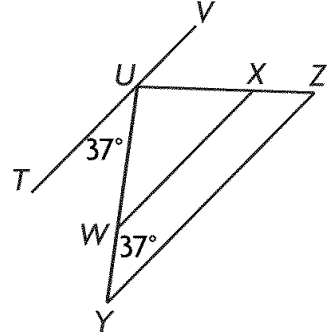
6. Determine the measure of ∠NMO.

7. Determine the measure of ∠DBF & ∠BDE

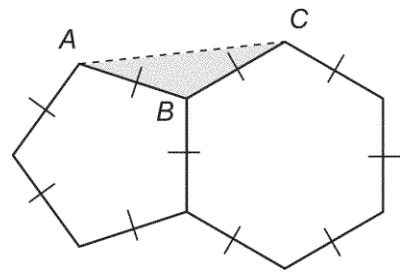**Problem: When solving proof questions, make sure to include reasons and/or use a 2 column proof.**
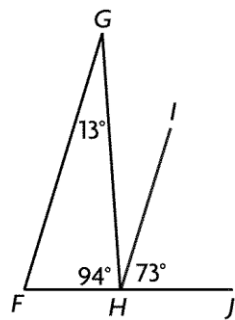
8. **Use the diagram below to answer a) & b)**

a) Prove: *TV* || *YZ*

b) Given ∠*UWX* = ∠*WYZ*, prove: *TV* || *WX*

9. A regular hexagon shares a side with a regular pentagon, as shown. Determine the measures of the interior angles of ∆*ABC*. **Show your solution.**

10. Prove: *FG* || *HI*

G2 Assignment – Chapter 2 (Section 2.3 & 2.4)   **Name: _____**
1) Textbook questions: Page 90: # 3 – 6, 9, 12, 14 & 15
2) Textbook questions: Page 99: # 1 – 3, 6, 7(a), 10 & 11