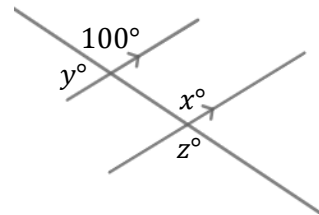# Year 10 Homework – Week 7

Task:

- Complete all questions on a separate piece of paper
    - o Draw a labelled diagram of each problem and show all working out
- Questions are based on content to be taught during the week, and function as daily homework tasks
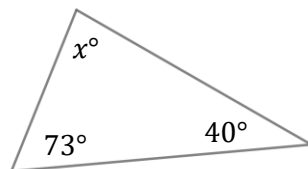- To be handed in Monday week 8

Questions:

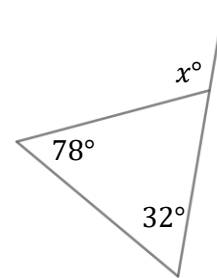1. Find the values of x, y, and z, giving reasons.

100°

$y°$

$x°$

$z°$

2. Find the values of the unknown x in each of the triangles.

   a)

   $x°$
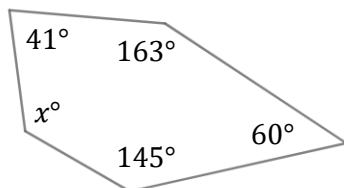
   73°   40°

   b)

   $x°$

   78°

   32°

3. State the sum of all angles in a:
   a. Triangle
   b. Square
   c. Pentagon
   d. n-sided shape
4. Find the value of x in the following shape.

41°   163°

$x°$

60°

145°

Relevant Textbook Reference: 7A, 7B, 7C, 7D, 7F