Math 111 - Trigonometry
Homework Section 1.2 - Due 31st Aug

1. #26 on page 17.
2. #60 on page 20.
3. Suppose $A_1B_1C_1$, $A_2B_2C_2$, $A_3B_3C_3$ are isosceles triangle:
   (a) If $A_1 = 100°$ write down *all* the possible values of B_1 and C_1.
   (b) If $A_2 = 80°$ write down *all* the possible values of B_2 and C_2.
   (c) If $A_3 = 40°$ write down *all* the possible values of B_3 and C_3.
   (d) Which of the triangles in parts (a)–(c) are similar to each other?

   Hint: There might be more than one triangle in parts (a)–(c).

*4 If ABC is an isosceles triangle and $A = \theta°$. Classify all possible angles for B and C.

*Optional questions, not to be handed in.