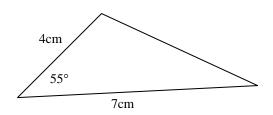
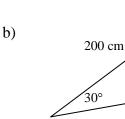
National 5 Homework : 1 year course Triangle Trigonometry

1. Calculate the area of this triangle:-



2. Find *x* in each of the following questions:-

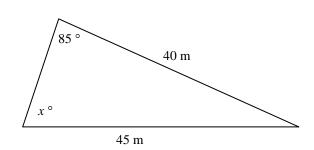
a)	,	\wedge
	90m	x m
	/50°	45°



d)

c) 22 cm
16 cm

x° 20 cm



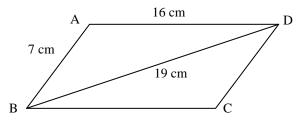
220 cm

Area of triangle = $\frac{1}{2}ab\sin C$

 $a^2 = b^2 + c^2 - (2bc\cos A)$

x cm

3. The sketch shows parallelogram, ABCD.



- a) Calculate the size of angle ABD.
- b) Hence calculate the area of the parallelogram.
- 4. A coastguard at A is 19 kilometres due west of a coastguard at B. A tanker is spotted at T, such that angle ATB is 78°

 The tanker is 13.7 km away from point A.

If the tanker is on a bearing of 040° from A find the distance from the tanker to the coastguard at point B

