## 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)

b)

c)

d)

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 $78^{\circ}$ The tanker is 13.7 km away from point A .
If the tanker is on a bearing of $040^{\circ}$ from A find the distance from the tanker to the coastguard at point B


