7. (i) Solve, for
$$0 \le x < \frac{\pi}{2}$$
, the equation

 $4\sin x = \sec x$

(ii) Solve, for $0 \le \theta < 360^\circ$, the equation

 $5\sin\theta - 5\cos\theta = 2$

giving your answers to one decimal place.

(Solutions based entirely on graphical or numerical methods are not acceptable.)

(4)