- 1. Use your calculator to work out  $\sqrt{\frac{\sin 25^\circ + \sin 40^\circ}{\cos 25^\circ \cos 40^\circ}}$ 
  - (a) Write down all the figures on your calculator display.

- 2.75603957

2.75,603957

2.75603957//

(b) Write your answer to part (a) correct to 2 decimal places.

2.75,603957

(Total for Question

is 3 marks)

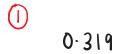
2. Work out

$$\sqrt{\frac{2.5 \times \sin 43^{\circ}}{8.2^2 - 50.5}}$$

Give your answer correct to 3 significant figures.

$$\sqrt{\frac{8 \cdot 3_3 - 20 \cdot 2}{5 \cdot 2 \times 210 \cdot 43}} = \sqrt{\frac{16 \cdot 14}{5 \cdot 2 \times 210 \cdot 43}}$$

$$= 0.3161716822... \approx 0.316 (32.5)$$



(Total for Question is 2 marks)

 $F = O + L + Last = (2C+5)(2C-9) + 2C^2 + 2C+5x-45$   $f = O + N + Last = 2C^2 - 4x - 45$   $for the Outside = 2C^2 - 4x - 45$ 

22-42-45

920 + 620 = 300 (300+2)

© 3.x(3x+2)...

3. (a) Use your calculator to work out  $\frac{29^2 - 4.6}{\sqrt{35 - 1.9^3}}$ 

Write down all the figures on your calculator display.

157.668255 (2)

(b) Write your answer to part (a) correct to 4 significant figures.

157.6<mark>68255 Sinc >5</mark>
= 157.7 (4sf)

157.7