1 Use your calculator to work out

$$\frac{\sqrt[3]{1.57^4 + \tan 60°}}{7.2^{\frac{1}{2}}}$$

Give your answer correct to 3 significant figures.

$= \sqrt[3]{7.6077...} \div \sqrt{7.2}$ (1)

$= 0.7393379...$

$= 0.739$ (3sf) (1)

0.739

(Total for Question 1 is 2 marks)

2 (a) Work out the value of $\dfrac{25-\sqrt{43.87}}{6+2.1^2}$

Write down all the figures on your calculator display.

$= \dfrac{18.3765\ldots}{10.41}$ (1)

$= 1.765\ldots$

1.765 (1)

.....

(2)

(b) Work out the value of the reciprocal of 0.625

$\dfrac{1}{x} = \dfrac{1}{0.625}$

1.6 (1)

.....

(1)

(Total for Question 2 is 3 marks)