1 (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)

1.765

.....

(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 1 is 3 marks)

2 (a) Work out the value of $\dfrac{\sqrt{35.2 + 1.7^3}}{4.6^2 - 8.91}$

Write down all the numbers on your calculator display.

$= \dfrac{6.333482454}{12.25}$ (1)

$= 0.5170189759$ (1)

0.5170189759

(2)

(b) Write your answer to part (a) correct to 2 significant figures.

0.52 (1)

(1)

(Total for Question 2 is 3 marks)