1 (b) Find the value of $\sqrt{50.41}$

7.1 (1)

.....

(1)

(Total for Question 1 is 1 marks)

2 (c) Write down a square number that is between 20 and 40

1, 4, 9, 16, 25, 36, 49

36 (1)

(1)

(Total for Question 2 is 1 marks)

3 $\frac{2^k}{4^n} = 2^x$

Find an expression for x in terms of k and n

$\frac{2^k}{2^{2n}}$ (1) $= 2^x$

$2^{k-2n} = 2^x$

$x = k - 2n$ (1)

$x =$ $k - 2n$

(Total for Question 3 is 2 marks)

4 (e) Find the square root of 1296

$\sqrt{1296} = 36$

36 (1)

.....

(1)

(Total for Question 4 is 1 marks)

5 (a) Work out the value of $(4 + 3 + 6)^2$

$13^2 = 169$

169 (1)

.....

(1)

$64 = 4^n$

(b) Write down the value of n

$n =$ 3 (1)

.....

(1)

(Total for Question 5 is 2 marks)

6 (b) Find the cube root of 79 507

$\sqrt[3]{79507} = 43$

43 (1)

.....

(1)

(c) Work out the value of $4^2 \times 5^3$

$16 \times 125 = 2000$ (1) (1)

2000

.....

(2)

(Total for Question 6 is 3 marks)