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



(Total for Question 1 is 1 marks)

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



(Total for Question 2 is 1 marks)

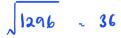
$$3 \quad \frac{2^k}{4^n} = 2^x$$

Find an expression for x in terms of k and n

$$\frac{2^{k}}{2^{2n}} = 2^{k}$$
$$2^{k-2n} = 2^{k}$$

(Total for Question 3 is 2 marks)

4 (e) Find the square root of 1296



36



(1)

(Total for Question 4 is 1 marks)

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



$$64 = 4^n$$

(b) Write down the value of n

$$n = \frac{3}{(1)}$$

(Total for Question 5 is 2 marks)

6 (b) Find the cube root of 79507

(1)

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



2000

(2)

(Total for Question 6 is 3 marks)