Powers and Roots

Name:	Class:	Date:

Mark	/ 10	%

1) Evaluate [6]

   a) 8^2

   b) 2^3

   c) 10^5

   d) 2^{10}

   e) $\sqrt{25}$

   f) $\sqrt[3]{1}$

2) Evaluate, rounding your answer to 3 significant figures [1]

   $\sqrt[2]{7.55}$

3) Write in index form [3]

   a) $7 \times 7 \times 7$

   b) $7 \times 7 \times 3 \times 3$

   c) $\dfrac{7 \times 7 \times 7 \times 7 \times 7}{7 \times 7 \times 7}$

Solutions for the assessment Powers and Roots

1) a) 64

b) 8

c) 100000

d) 1024

e) 5

f) 1

2) 2.75

3) a) 7^3

b) $3^2 \times 7^2$

c) 7^2