**Homework**

Q1) Simplify the following

1. 2 × 2 × 2 × 2 × 2 × 2 × 2× 2 × 2
2. m × m × m
3. y × y × y × y

Q2) Which of the following are true?

a) 24 × 26 = 210 b) 1020 ÷ 103 = 1017

c) 46 ÷ (42 × 43) = 41 d) 92 × (930 ÷ 925) = 910

Q3) Use your calculator to find the exact value of

 a) 43 b) 125 c) 128

 d) 50-1 e) 4-2 d) 2-3

Q4) Write as a single power:

 a) (x2)4 b) (z10)2 c) (y-1)6

Q5) Find the numbers replaced by x in these statements

 a) 3x = 9 b) 10x= 1000 c) 4x = 1/16

 d) (5x)2 = 56 e) x5 = 1

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