



## Work sheet No-2

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### Logarithmic Functions and its applications

#### Key answers

#### 1.Convert from each to other:

- I.  $32 = 2^5$
- II.  $e^0 = 1$
- III.  $16 = 8^{2/3}$
- IV.  $\log_6 36 = 2$
- V.  $\log_{16} 8 = \frac{3}{4}$
- VI.  $\log_b M = x$

#### 2.Solve each of the following equations:

- i.  $X = 10$
- ii.  $X = 8$
- iii.  $X = 6$
- iv.  $X = 10$
- v.  $X = 8$
- vi.  $X = 1.09$