

Use your calculator to compute each expression to 6 significant digits accuracy. Write down the sequence of keys you entered in order to compute each expression. Do not round numbers in mid-computation.

1. (2pts)  $\sqrt[5]{23} = 1.87217$   
 Graphing:  $23^{(1/5)}$

Scientific:  $23 [y^x] (1/5) [=]$   
 or  $23 [\sqrt[y]{x}] 5 [=]$

2. (3pts)  $4.1 + 1.2^{1/15} = 5.11223$   
 G:  $4.1 + 1.2^{(1/15)}$

S:  $1.2 [y^x] (1/15) [=] + 4.1$   
 or  $1.2 [\sqrt[y]{x}] 15 [=] + 4.1$

3. (3pts)  $\sqrt[3]{7.81 \cdot 6.23} = 3.65073$   
 G:  $(7.81 * 6.23)^{(1/3)}$

S:  $7.81 * 6.23 [=] [\sqrt[y]{x}] 3 [=]$

4. (3pts)  $\frac{\log 2.35}{\log 4.76} = 0.547615$   
 G:  $\log(2.35) / \log(4.76)$

S:  $2.35 [\log] / 4.76 [\log]$

5. (4pts)  $\frac{\log(1.25)}{6 \log 1.005} = 7.45670$

S:  $6 [\times] 1.005 [\log] [=]$  store in memory

G:  $\log(1.25) / (6 \log(1.005))$

$1.25 [\log] / [\text{recall memory}] [=]$

6. (5pts)  $\frac{1 - \left(1 + \frac{0.07}{4}\right)^{-12}}{\frac{0.07}{4}} = 10.7395$

S:  $0.07 / 4 [=]$  store in memory

G:  $0.07 / 4 \rightarrow \text{get answer}$   
 $(1 - (1 + \text{Ans})^{-12}) / \text{Ans}$

$1 - (1 + \text{recall memory}) [y^x] [1/2] 12 [=] / [\text{recall memory}]$