

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.

Scientific calculator:

1. (3pts)  $\sqrt[3]{16} = 1.48599$

Graphing calc:  $16^{(1/3)}$

16  $\boxed{2nd} \boxed{y^x} \boxed{1} \boxed{3} \boxed{=}$

2. (4pts)  $475 \left(1 + \frac{0.05}{12}\right)^{60} = \boxed{609.595}$

$475 * (1 + 0.05/12)^{60}$

1 + 0.05  $\boxed{+}$  12  $\boxed{=}$  ans  $\boxed{y^x}$  60  $\boxed{=}$  ans  $\boxed{*}$  475  $\boxed{=}$

3. (4pts)  $\sqrt[4]{3.75 \cdot 11.9} = \boxed{2.58461}$

$(3.75 * 11.9)^{(1/4)}$

3.75  $\boxed{*}$  11.9  $\boxed{=}$  ans  $\boxed{2nd} \boxed{y^x} \boxed{4} \boxed{=}$

4. (3pts)  $\frac{\log 1.43}{\log 0.763} = \boxed{-1.32228}$

$\log(1.43) / \log(0.763)$

1.43  $\boxed{\log}$  ans  $\boxed{\div}$  0.763  $\boxed{\log} \boxed{=}$

5. (4pts)  $\frac{\log(1.75)}{12 \log 1.004} = \boxed{11.6820}$

$\log(1.75) / (12 \log(1.004))$

1.75  $\boxed{\log} \boxed{\div} \boxed{12} \boxed{*} \boxed{1.004} \boxed{\log} \boxed{1} \boxed{=}$

6. (6pts)  $\frac{\left(1 + \frac{0.054}{4}\right)^{20} - 1}{\frac{0.054}{4}} = \boxed{22.7852}$

$((1 + 0.054/4)^{20} - 1) / (0.054/4)$

0.054  $\boxed{\div} \boxed{4} \boxed{=}$  ans, store in memory

1  $\boxed{+}$  recall  $\boxed{=}$  ans  $\boxed{y^x}$  20  $\boxed{=}$  ans  $\boxed{-}$  1  $\boxed{=}$  ans

/ recall mem.  $\boxed{=}$

7. (6pts)  $\frac{1 - \left(1 + \frac{0.095}{12}\right)^{-60}}{\frac{0.095}{12}} = \boxed{47.6148}$

$(1 - (1 + 0.095/12)^{-60}) / (0.095/12)$

0.095  $\boxed{\div} \boxed{12} \boxed{=}$  ans, store in memory

1  $\boxed{-}$  recall  $\boxed{1} \boxed{+}$  recall  $\boxed{-60} \boxed{=}$  ans

$\boxed{\div}$  recall  $\boxed{=}$