

## Graphing Calculator Computations 2 - KEY

A) Write the graphing calculator notation and B) Evaluate each expression.

$$1) \quad 15 - (-4)(3)^2 + 8^4 \div (-2) \qquad 1) \quad \underline{\underline{-1997}}$$

ex)  $15 - (-4) * 3 ^ 2 + 8 ^ 4 / (-2)$

$$2) \quad \frac{5}{8} + \frac{2}{3} \rightarrow (5 / 8) + (2 / 3) \qquad 2) \quad \underline{\underline{\frac{31}{24} = 1.291\bar{6}}}}$$

$$3) \quad 12\frac{3}{7} - 8\frac{4}{9} \rightarrow (12 + 3 / 7) - (8 + 4 / 9) \qquad 3) \quad \underline{\underline{\frac{251}{63} \approx 3.984}}}$$

$$4) \quad \frac{5 + \pi}{2} \rightarrow (5 + \pi) / 2 \qquad 4) \quad \underline{\underline{4.070796}}$$

$$5) \quad \frac{5}{2 + \pi} \rightarrow 5 / (2 + \pi) \qquad 5) \quad \underline{\underline{0.972461}}$$

$$6) \quad 5000 \left( 1 + \frac{0.045}{365} \right)^{4 * 365} \qquad 6) \quad \underline{\underline{5,986.02}}$$

$\rightarrow 5000 (1 + 0.045 / 365) ^ (4 * 365)$

$$7) \quad \frac{4}{3} \pi (6.5)^3 \rightarrow 4 / 3 * \pi * 6.5 ^ 3 \qquad 7) \quad \underline{\underline{1,150.34651}}$$

$$8) \quad |-7| \rightarrow \text{MATH NUM 1:ABS}(-7) \qquad 8) \quad \underline{\underline{7}}$$

$$9) \quad \frac{3.6 \times 10^6}{4.8 \times 10^{-7}} \rightarrow (3.6 * 10 ^ 6) / (4.8 * 10 ^ -7) \qquad 9) \quad \underline{\underline{7.5 \times 10^{12}}}}$$

$$10) \quad \sqrt{\frac{1}{2}} + \frac{\sqrt{8}}{3} + 6\sqrt[3]{5} - \sqrt[4]{7} \qquad 10) \quad \underline{\underline{10.283195}}$$

$\rightarrow 2\text{nd } \sqrt{\text{ (1 / 2) } + 2\text{nd } \sqrt{\text{ (8) } / 3 + 6 \text{ MATH 4: } \sqrt[3]{\text{ (5) } - 4 \sqrt[4]{\text{ (7)}}$