

LEVEL: EMERGING

Directions: Answer the following questions.

1) Where do you find the exponent button on the TI-84?

Above the _____ button.

2) How do you make a fraction in the TI-84 calculator?

_____ → _____ → _____

3) How do you input a negative sign in the calculator?

Press the button below the _____ key.

LEVEL: PROFICIENT

Directions: Evaluate the following expressions using a calculator.

4) $(9 - 2)^2 + 3 \cdot 2 - [4^2 + (10 \div 2)]$

5) $\frac{2-4 \div 2 \cdot 10 + (1-2)}{(3-1)^2}$

6) $\frac{1}{2} \cdot 3^2 + (14 \div 7)^3$

7) $\frac{3+2(4-1+7(2))^2}{1-5(3)}$

8) $3 \left[\frac{1}{3} + 3(1 - 2) \right]^2 + \left(\frac{1}{2} \right)^2 \cdot 48$

9) $\frac{3^3 \cdot (1.8 + 3.2 \div 0.2^2) - 6}{4^3 \div \left(\frac{5}{4} \times \frac{2}{5} \right)}$

LEVEL: MASTERY

Directions: Evaluate the expression at the given values.

10) $\frac{26+(-6)+x \cdot x}{-6+x}$; at $x = 2$

11) $(x - 5)^3(3 - x) + 2(3x)$; at $b = -1$

12) $(6.24 + 0.08m) \div 2 + 1.4^3 - m$; at $m = 3$

13) $1\frac{1}{3} + \frac{x}{2} - \left(\frac{2(x)+4}{x}\right) + x^2$; at $z = 4$

WS 1.1B Answers1. \div button2. alpha $\rightarrow y = \rightarrow$ #1

3. 3

4. 34

5. $-\frac{19}{4}$ 6. $\frac{25}{2}$ 7. $-\frac{83}{2}$ 8. $\frac{100}{3}$ 9. $\frac{11013}{640}$

10. -6

11. -870

12. $\frac{508}{125}$ 13. $\frac{49}{3}$