

**Simplify completely without a calculator. SKILL #1 Combination of +, -, •**

1.)  $4 - -3 = \underline{\hspace{2cm}}$     2.)  $-2 - 4 = \underline{\hspace{2cm}}$     3.)  $9 + -7 = \underline{\hspace{2cm}}$     4.)  $4 \cdot -2 = \underline{\hspace{2cm}}$     5.)  $4 + -2 = \underline{\hspace{2cm}}$

6.)  $4 - (-4) = \underline{\hspace{2cm}}$     7.)  $1 \cdot 2 \cdot -3 \cdot 0 = \underline{\hspace{2cm}}$     8.)  $-1 \cdot -2 \cdot -3 = \underline{\hspace{2cm}}$     9.)  $5 \cdot 3 \cdot -1 = \underline{\hspace{2cm}}$     10.)  $-3 - 0 = \underline{\hspace{2cm}}$

11.)  $10 \cdot -1 = \underline{\hspace{2cm}}$     12.)  $10 \cdot 0 \cdot -1 = \underline{\hspace{2cm}}$     13.)  $-2 - 7 = \underline{\hspace{2cm}}$     14.)  $0 + -2 = \underline{\hspace{2cm}}$     15.)  $0 \cdot -2 = \underline{\hspace{2cm}}$

16.)  $-9 \cdot 9 = \underline{\hspace{2cm}}$     17.)  $-9 \cdot -9 = \underline{\hspace{2cm}}$     18.)  $-9 - 9 = \underline{\hspace{2cm}}$     19.)  $-9 - (-9) = \underline{\hspace{2cm}}$     20.)  $-9 + -9 = \underline{\hspace{2cm}}$

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Simplify completely without a calculator. SKILL #2 Combination of +, -, •

1.)  $-2 \cdot 5 =$  \_\_\_\_\_ 2.)  $-6 \cdot -3 =$  \_\_\_\_\_ 3.)  $-2 \cdot -2 \cdot -2 =$  \_\_\_\_\_ 4.)  $2 \cdot 2 \cdot 2 =$  \_\_\_\_\_ 5.)  $2^3 =$  \_\_\_\_\_

6.)  $-2^3 =$  \_\_\_\_\_ 7.)  $(-2)^3 =$  \_\_\_\_\_ 8.)  $12,456,789 \cdot 0 =$  \_\_\_\_\_ 9.)  $-3 \cdot 1 =$  \_\_\_\_\_ 10.)  $1 \cdot -3 =$  \_\_\_\_\_

11.)  $\frac{1}{3} \cdot \frac{1}{8} =$  \_\_\_\_\_ 12.)  $\frac{1}{3} \cdot -\frac{1}{8} =$  \_\_\_\_\_ 13.)  $-\frac{1}{3} \cdot -\frac{1}{8} =$  \_\_\_\_\_ 14.)  $\frac{1}{2} \cdot -1 =$  \_\_\_\_\_ 15.)  $\frac{1}{2} + -1 =$  \_\_\_\_\_

16.)  $\frac{1}{2} \cdot 8 =$  \_\_\_\_\_ 17.)  $\frac{1}{2} \cdot -8 =$  \_\_\_\_\_ 18.)  $-\frac{1}{2} \cdot -8 =$  \_\_\_\_\_ 19.)  $10 - -10 =$  \_\_\_\_\_ 20.)  $10 \cdot -10 =$  \_\_\_\_\_

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Simplify completely without a calculator. SKILL #3 Combination of +, -, •

1.)  $3 \cdot 2 + 3 = \underline{\quad}$  2.)  $-3 \cdot 2 + 3 = \underline{\quad}$  3.)  $-3 \cdot -2 + 3 = \underline{\quad}$  4.)  $-3 \cdot -2 + -3 = \underline{\quad}$  5.)  $123 \cdot -0 = \underline{\quad}$

6.)  $3 \cdot 4 \cdot 10 = \underline{\quad}$  7.)  $3 \cdot (4 \cdot 10) = \underline{\quad}$  8.)  $3 \cdot (-4 \cdot 10) = \underline{\quad}$  9.)  $-3 \cdot (-4 \cdot 10) = \underline{\quad}$  10.)  $-3 \cdot (-4 \cdot -10) = \underline{\quad}$

11.)  $1 \cdot 1 \cdot 1 \cdot 1 = \underline{\quad}$  12.)  $1 \cdot 1 \cdot 1 \cdot -1 = \underline{\quad}$  13.)  $1 \cdot -1 \cdot -1 \cdot 1 = \underline{\quad}$  14.)  $-1 \cdot 1 \cdot -1 \cdot -1 = \underline{\quad}$  15.)  $-1 \cdot -1 \cdot -1 \cdot -1 = \underline{\quad}$

16.)  $9 + 14 \cdot 0 = \underline{\quad}$  17.)  $-9 + -14 \cdot 0 = \underline{\quad}$  18.)  $0 \cdot 2 - 2 = \underline{\quad}$  19.)  $2 - -2 \cdot 0 = \underline{\quad}$  20.)  $2 - -2 = \underline{\quad}$

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**Simplify completely without a calculator. SKILL #5 Combination of +, -, •**

1.)  $1 \cdot 0 + -8 = \underline{\quad}$       2.)  $1 \cdot (0 + -8) = \underline{\quad}$       3.)  $0 \cdot 1 + -8 = \underline{\quad}$       4.)  $0 \cdot (1 + -8) = \underline{\quad}$

5.)  $0 \cdot (-1 + -8) = \underline{\quad}$       6.)  $4 - 4 \cdot -1 = \underline{\quad}$       7.)  $4 - (4 \cdot -1) = \underline{\quad}$       8.)  $-4 - (4 \cdot -1) = \underline{\quad}$

9.)  $-4 - (-4 \cdot -1) = \underline{\quad}$       10.)  $4 + 4 \cdot -1 = \underline{\quad}$       11.)  $\frac{2}{3} \cdot \frac{2}{3} = \underline{\quad}$       12.)  $\frac{2}{3} \cdot -\frac{2}{3} = \underline{\quad}$

13.)  $-\frac{2}{3} \cdot -\frac{2}{3} = \underline{\quad}$       14.)  $\left(\frac{2}{3}\right)^2 = \underline{\quad}$       15.)  $\left(-\frac{2}{3}\right)^2 = \underline{\quad}$       16.)  $-\left(\frac{2}{3}\right)^2 = \underline{\quad}$

17.)  $6 \cdot -\frac{1}{6} + 5 \cdot 0 \cdot -\frac{1}{6} = \underline{\quad}$       18.)  $abc \cdot -4 = \underline{\quad}$       19.)  $ab \cdot -c \cdot -4 = \underline{\quad}$       20.)  $a \cdot -b \cdot c \cdot -4 = \underline{\quad}$

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