

Calculator Practice Examples

Basic Operation Buttons:

1. $-7|2(-3) - 15| + (\sqrt{8})^2 - \sqrt[3]{8} + 2^4$

Basic Fraction Operations:

2. $\frac{9}{7} + \frac{8}{3}$ (Leave answer as a mixed number)

3. $5\frac{1}{8} + 2\frac{1}{2}$ (Leave answer as a decimal)

4. Marco and Sasha are building a barn. They started with 7 pounds of screws. On the first day, Marco used $1\frac{3}{4}$ pounds of screws and Sasha used $2\frac{1}{2}$ pounds of screws. How many pounds of screws were left when they completed their first day of building?

Basic Operations with Matrices:

5. $5 \begin{bmatrix} -1 & -2 & -3 \\ 4 & 5 & 6 \end{bmatrix} - 3 \begin{bmatrix} 10 & 0 & 5 \\ -8 & 12 & 1 \end{bmatrix}$

6. $\begin{bmatrix} 1 & 2 \\ 3 & 4 \\ 5 & 6 \end{bmatrix} \cdot \begin{bmatrix} -1 & -2 \\ -11 & 4 \end{bmatrix}$

Using “rref” and Matrices to Solve Systems of Equations:

7. $\begin{cases} x = 7y - 11 \\ 5x + 2y = -18 \end{cases}$

Solve Equations with a Graph:

8. In the real numbers, what is the solution to the equation $16^{x-4} = 64^{4x+4}$?

Complex Numbers:

9. Evaluate i^{11} .

Logarithms:

10. What value of x satisfies the equation $\log_{27} x = -\frac{2}{3}$?