March 6, 2015

$6 + \left[\frac{1}{6} \div \frac{1}{6}\right] \cdot \frac{1}{6} + \frac{1}{6} - 6 \cdot 6 \div 6 + 6$

$6 + \left[1 \cdot \frac{1}{6}\right] + \frac{1}{6} - 6 \cdot 6 \div 6 + 6$

$6 + \frac{1}{6} + \frac{1}{6} \left[-6 \cdot 6\right] \div 6 + 6$

$6 + \frac{1}{6} + \frac{1}{6} \left[-36 \div 6\right] + 6$

$\left[6 + \frac{1}{6}\right] + \frac{1}{6} - 6 + 6$

$\frac{36+1}{6}$

$\frac{37}{6} + \frac{1}{6} - 6 + 6$

$\frac{38}{6} - 6 + 6$

$\frac{38-36}{6} + 6$

$\frac{2}{6} + 6$

$\frac{2+36}{6}$

$\frac{38}{6} = \boxed{\frac{19}{3}}$

Mar 6-9:20 AM

$$\frac{\frac{7}{2} - \frac{5}{7}}{\frac{4}{5} + 8} = \frac{\frac{49-10}{14}}{\frac{4+40}{5}}$$

$$= \frac{\frac{39}{14}}{\frac{44}{5}} \quad \begin{matrix} K \\ C \\ F \end{matrix}$$

$$= \frac{39}{14} \cdot \frac{5}{44} = \boxed{\frac{195}{616}}$$

Mar 6-9:30 AM

Like Terms

- Must be Same Variable

$x + 2x = 3x$

not $x + 2y$

- Must have same exponent

$2x^2 + 4x^2 = 6x^2$

not $2x^2 + 4x^3$

Mar 6-9:33 AM

$x(1+2) = \boxed{x + 2x}$

$x(3)$

$3x = x + 2x$

Distributing Tool $\quad a(b+c) = ab + ac$

Mar 6-9:39 AM

$3x = 25 - 2x$

$+2x \quad +2x$ a.d.

$\frac{5x}{5} = \frac{25}{5}$ m.d.

$x = 5$

Ch

$3(5) = 25 - 2(5)$

$15 = 25 - 10$

$15 = 15$

Mar 6-9:46 AM

$5b - \boxed{0.7} = 6b$

$\frac{7}{10}$

$10\left(\frac{5b}{1} - \frac{7}{10} = \frac{6b}{1}\right)$ LCD: 10

$50b - 7 = 60b$

Mar 6-9:48 AM