

February 8, 2016

1.3
#15) $-\frac{19}{4} \cdot \frac{9}{13} = \frac{171}{26}$

Feb 8-9:04 AM

#9) $\frac{8}{9} - \left| \frac{5}{2} - \frac{2}{5} \right|$

$\frac{8}{9} - \left| \frac{25-4}{10} \right|$

$\frac{8}{9} - \left| \frac{21}{10} \right|$

$\frac{8}{9} - \frac{21}{10}$

$\frac{8(10) - 21(9)}{90}$

$\frac{80 - 189}{90}$

$-\frac{109}{90}$

Feb 8-9:10 AM

#57) $2x^2 - 2xy - 3y^2 \quad x = \frac{3}{2}y = -\frac{3}{4}$

$2\left(\frac{3}{2}\right)^2 - 2\left(\frac{3}{2}\right)\left(-\frac{3}{4}\right) - 3\left(-\frac{3}{4}\right)^2$

$\frac{9}{2} - 3\left(-\frac{3}{4}\right) - 3\left(\frac{9}{16}\right)$

$\frac{9}{2} + \frac{9}{4} - \frac{27}{16}$

$\frac{18+9}{4} - \frac{27}{16}$

$\frac{27}{4} - \frac{27}{16}$

$\frac{108-27}{16}$

$\frac{81}{16}$

Feb 8-9:16 AM

① $\frac{1}{2} + \frac{1}{2} \times 2 + 2 \div \frac{1}{2} - \frac{1}{2}$

② $\frac{\frac{5}{6} + 3}{4}$

③ $\frac{\frac{1}{2} - \frac{1}{3} + \frac{1}{4}}{5}$

④ $\frac{\frac{3}{x} + \frac{1}{x}}{\frac{x^2}{2}}$

⑤ $\frac{\frac{6}{11} - \frac{1}{11}}{\frac{2}{3} - \frac{1}{5}}$

Feb 8-9:22 AM