

November 18, 2015
 Tuesday December 1st
 * Exam # 3 - Monday, November 30th

- Factoring
 - HCF
 - Trinomials & Special Cases
 - Solving for x by factoring
 - Simplifying & Solving Rational expressions & equations
- Everything else!

Nov 18-9:05 AM

#9) $\frac{6b+18}{b^2} + \frac{1}{b} = \frac{3}{b}$ LCD: b^2

$\frac{6b+18}{b^2} + \frac{1}{b} = \frac{3}{b}$

$6b+18 + b = 3b$, for b

$\frac{4b}{4} = \frac{-18}{4}$ * always simplify

ok $b = -\frac{9}{2}$

$\frac{6(-\frac{9}{2})+18}{(-\frac{9}{2})^2} + \frac{1}{(-\frac{9}{2})} = \frac{3}{(-\frac{9}{2})}$

$\frac{-27+18}{\frac{81}{4}} + \frac{1}{1} \cdot \frac{-2}{9} = \frac{3}{1} \cdot \frac{-2}{9}$

$-\frac{9}{81} + \frac{4}{9} = -\frac{2}{3}$

$-\frac{4}{9} + (-\frac{2}{9}) = -\frac{2}{3}$

$-\frac{6}{9}$

$-\frac{2}{3} = -\frac{2}{3}$

Nov 18-9:12 AM

#16) LCD: $(m-2)(m-4)$

$\frac{6}{m^2-6m+8} = \frac{1}{m^2-6m+8} - \frac{1}{m-4}$

$\frac{(m-2)(m-4)}{1} \cdot \frac{6}{(m-2)(m-4)} = \frac{(m-2)(m-4)}{1} \cdot \frac{1}{(m-2)(m-4)} - \frac{(m-2)(m-4)}{1} \cdot \frac{1}{m-4}$

$6 = 1 - (m-2)$

$6 = 3 - m$

$\frac{7}{-1} = \frac{-m}{-1}$

$-7 = m$

$\frac{3}{-1} = \frac{-m}{-1}$

$-3 = m$

Nov 18-9:34 AM