

September 12, 2016  
 \* 3<sup>rd</sup> Wednesday  
 Complex Fractions

Sep 12-1:19 PM

$$\frac{6x+15}{3} = \frac{2x}{\cancel{3}_1} + \frac{15}{\cancel{3}_1} = \boxed{2x+5}$$

①  $\frac{6x+15}{\cancel{3}_1} = 6x+5$

②  $\frac{2x+15}{\cancel{3}_1} = 2x+15$

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$(6x) + (15) \neq 21x$   
 unlike terms

Sep 12-1:30 PM

$$\frac{\frac{16}{m-3} - \frac{4}{m-4}}{m^2} = \frac{\frac{16(m-4) - 4(m-3)}{(m-3)(m-4)}}{(m^2)(m-3)}$$

$$= \frac{16m - 64 - 4m + 12}{(m-3)(m-4)}$$

$$= \frac{16m - 48 - 4m + 12}{(m^2)(m-3)}$$

$$= \frac{12m - 52}{(m-3)(m-4)}$$

$$= \frac{12m - 52}{(m-3)(m-4) \cdot (-m^2 + 4m^2 + 16m)}$$

$$= \frac{12m - 52}{-m^2 - 4m^2 - 16m + 48}$$

check for work!

Sep 12-2:21 PM