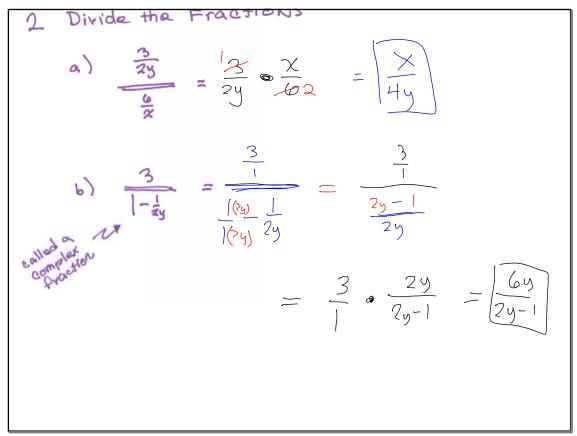


3.2.5 Day 2 Notes



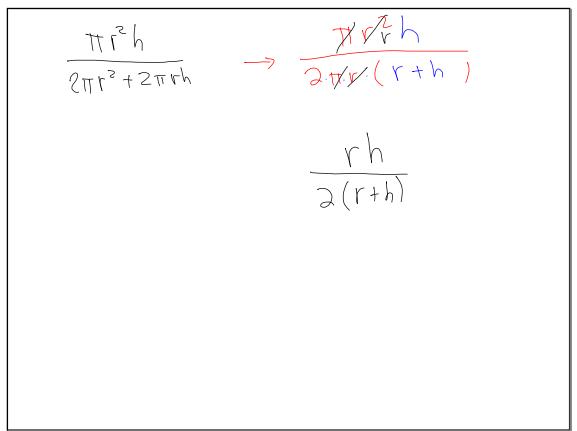
(3) Cylinder  

$$V = \pi r^{2} h$$

$$SA = 2\pi r^{2} + 2\pi r h$$

$$V = \pi r^{2} h$$

$$SA = 2\pi r^{2} + 2\pi r h$$



Check Work from HW (Any questions ?)

$$\frac{||3|}{3k} = \frac{\chi^2 - \chi - |2}{3x^2 - 1|x - 4} = \frac{3x^2 - 20x - 7}{x^2 - 9}$$
$$= \frac{(x + 3)(x - 4)}{(3x^4 + 1)(x - 4)} + \frac{(3x + 1)(x - 7)}{(x + 3)(x - 3)}$$

$$\frac{113}{2x^2 + 8x - 10} \stackrel{.}{\to} \frac{4x^2 + 20x - 24}{2x^2 + x - 10}$$

$$\frac{113}{2x^2 + 15x + 25} \stackrel{.}{\to} \frac{4x^2 + 20x - 24}{2x^2 + x - 10}$$

$$\frac{155ues}{4x^2 + 4x - 5} \stackrel{.}{\to} \frac{155ues}{4x^2 + 5x - 6} \stackrel{.}{\to} \frac{155ues}{4x^2 + 5x^2 - 1} \stackrel{.}{\to} \frac{155ues}{4x^2 + 5x^2 -$$

$$\frac{113 \text{ c}}{2x^2 + 8x - 10} = \frac{4x^2 + 20x - 24}{2x^2 + 15x + 25} = \frac{4x^2 + 20x - 24}{2x^2 + x - 10}$$

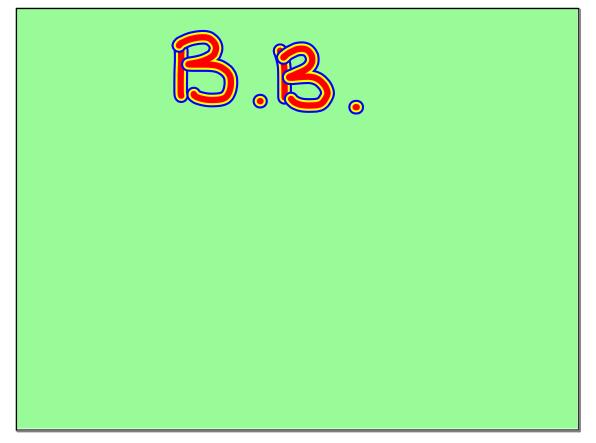
$$\frac{113 \text{ c}}{2x^2 + 15x + 25} = \frac{4(x^2 + 5x - 6)}{(x^2 + 5x - 6)} = \frac{2(x - 1)(x + 5)}{(2x + 5)(x + 5)} = \frac{4(x - 1)(x + 6)}{(2x + 5)(x + 5)} = \frac{4(x - 1)(x + 6)}{(2x + 5)(x + 5)} = \frac{2(x - 1)(x + 6)}{(2x + 5)} = \frac{2(x - 1)(x + 5)}{(2x + 5)(x + 5)} = \frac{2(x - 1)(x + 5)}{(2x + 5)} = \frac{2(x - 1)(x$$

$$\frac{||3 d}{\chi+5} - \frac{4-6x}{\chi^3+10x+25} \Rightarrow \frac{7}{\chi+5} - \frac{2(2-3x)}{(x+5)(x+5)}$$

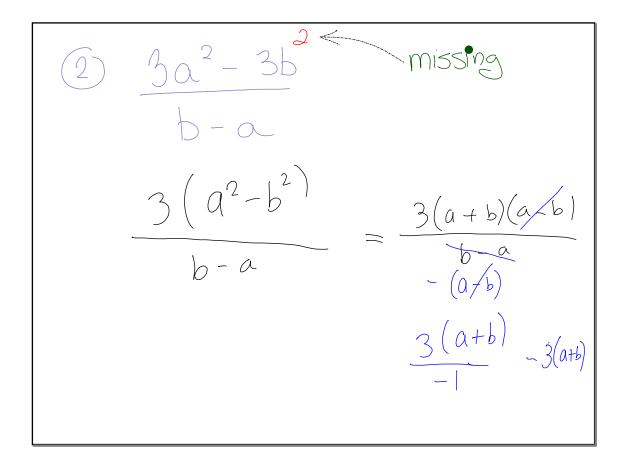
$$\frac{7(x+5)}{(x+5)(x+5)} - \frac{2(2-3x)}{(x+5)(x+5)} \Rightarrow \frac{7(x+5) - 2(2-3x)}{(x+5)(x+5)}$$

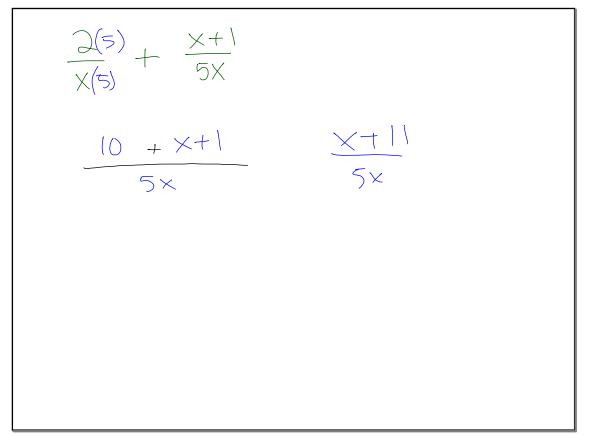
$$\frac{7x+35 - 4 + 3x}{(x+5)(x+5)} \Rightarrow \frac{|0x + 3|}{(x+5)(x+5)}$$

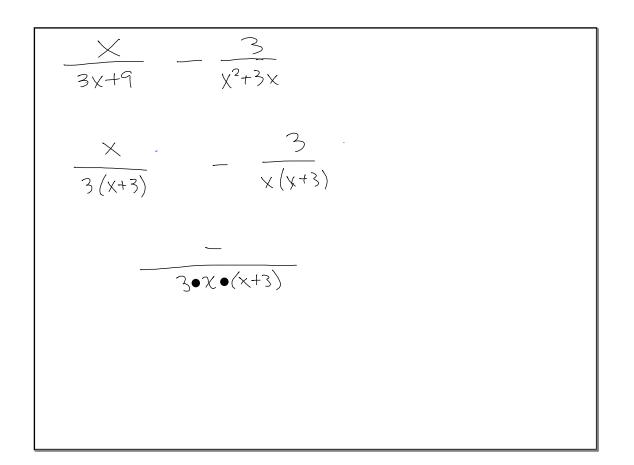
$$\begin{array}{c}
||b| \\
g(x) = 2(x+3)^{2} \\
g(-5) = \\
g(x) = 32 \\
g(x) = 32 \\
32 = 2(x+3)^{2} \\
\hline z \\
(x+3)^{2} = 16 \\
\hline \end{array}$$

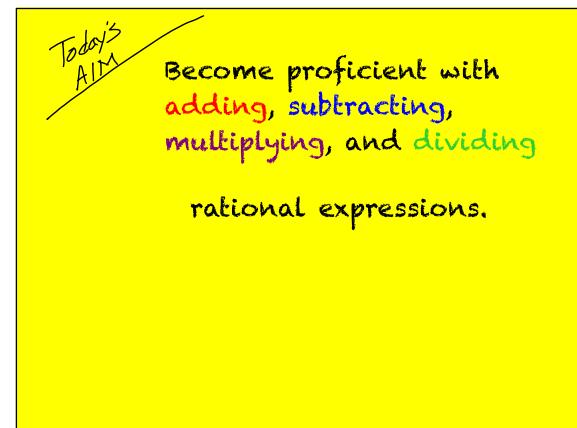












## Practice Worksheet

- Check answers often
  - Be organized
    - Don't skimp on good notation
      - Factor ASAP
      - Do box/diamond work on scratch paper

