## Warmup:

## Simplify each expression.

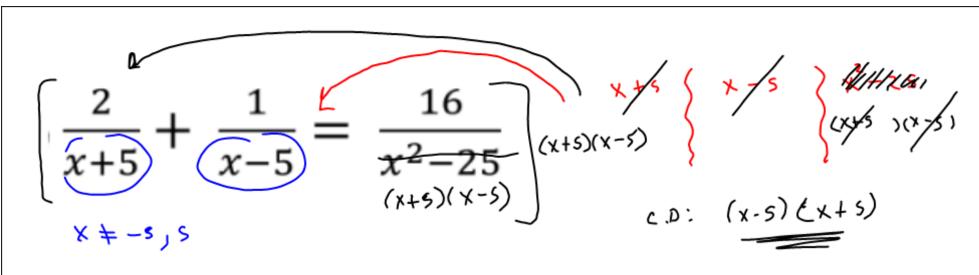
$$\frac{(2 \cdot 2)}{2 \cdot (3x+9)} + \frac{(5x)(3x+1)}{2} + \frac{(3x+1)}{3x+1}$$

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

$$\frac{(b+1)}{(b+1)} \frac{6}{2} - \frac{3b}{(2b+2)}$$

$$\frac{2(b+1)}{2(b+1)} - \frac{3b}{2(b+1)}$$

$$\frac{2(b+1)}{2(b+1)} = \frac{3(b+2)}{2(b+1)}$$



$$2(x-5) + 1(x+5) = 16$$

$$\frac{dx-10}{3x-5} + \frac{x+5}{5} = 16$$

$$3x-5 = 16 \Rightarrow 3x=21 \Rightarrow x=7$$

## Practice with Solving Equations

Homework:

Solving Rational Equations