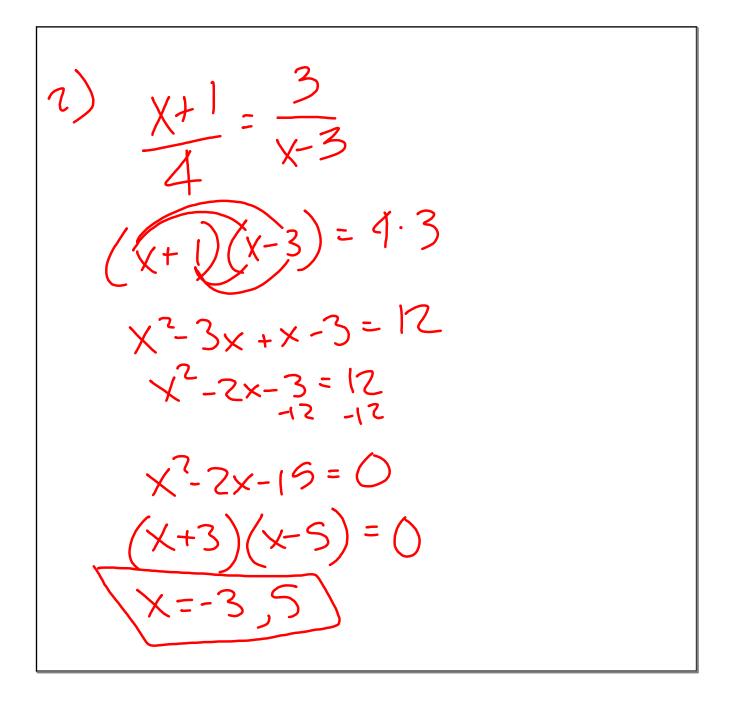


 $\frac{1}{2x-3} = \frac{3x}{x+11} = \frac{3}{2x-3} = \frac{3}{2x+11} = \frac{3}{2x-3}$   $\frac{1}{2x-3} = \frac{3}{2x+11} = \frac{3}{2x-3}$   $\frac{1}{2x-3} = \frac{3}{2x-3}$   $\frac{1}{2x-3} = \frac{3}{2x-3}$   $\frac{1}{2x-3} = \frac{3}{2x-3}$   $\frac{1}{2x-3} = \frac{3}{2x-3}$  $\int = 5x^2 - 20x$ ) = S×(x-4) ,X=



Kill the Denominator Make a common denominator, then X = 0,-4 kill it 3(x+4)2 (x) **(×)**1 T I CAPI 3x-12=2x -12= 2× 2× 2=

Solve the rational equation algebraically  

$$\frac{x^{2}-29}{x^{2}-10x+21} = \frac{6}{x-7} + \frac{5}{x-3}$$

$$24 + 5 + 5 = \frac{6}{x-7} + \frac{5}{x-3}$$

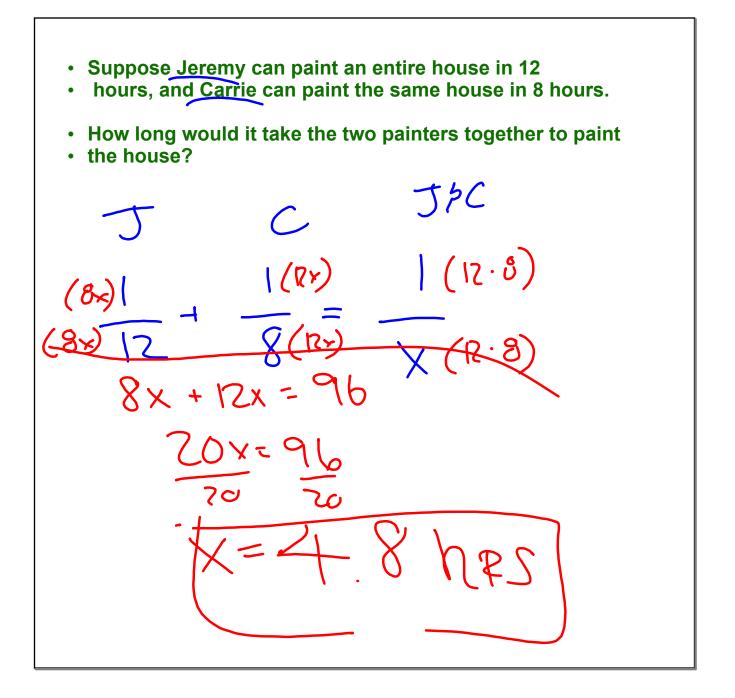
$$24 + 5 + 5 = \frac{6}{x-7} + \frac{5}{x-3}$$

$$21 + 5 = \frac{6}{x-7} + \frac{5}{x-3}$$

$$\frac{7}{1+3} = \frac{6}{x-7} + \frac{5}{x-3}$$

pg. 506 **10.** Jake can mulch a garden in 30 minutes. Together, Jake and Ross can mulch the same garden in 16 minutes. How much time t, in minutes, will it take Ross to mulch the garden when working alone? = J+r = <u>Igavden</u> Ibmin + O garden garden mir 1(30)(16) - 1(30)(x)X +16 X

pg. 504 Your Turn Kevin can clean a large aquarium tank in about 4. Zhours. When Kevin and Lara work together, they can clean the tank in 4 hours. Write and solve a rational equation to determine how long, to the nearest tenth of an hour, it would take Lara to clean the tank if she works by herself. Explain whether the answer is reasonable. **(4)** R 4 X RS



X7-3,5 56 = 6x - 30 + 7x + 256 = 1-+ 9 t 65 = 13x X=Sextrane ous No Solution