

## Classroom Problems for Intermediate Algebra #15

- 1)  $\frac{2}{x} - \frac{5}{x+3} = \frac{1}{x}$   $x = \frac{3}{4}$
- 2)  $\frac{x}{x+5} - \frac{3}{x-2} = \frac{-21}{x^2+3x-10}$   $x = 3$
- 3)  $\frac{3x}{x-4} + 2x = \frac{12}{x-4}$   $x = \frac{-3}{2}$
- 4)  $\frac{36}{x^2-25} + \frac{2x}{x-5} = \frac{x}{x+5}$   $x = -3, x = -12$
- 5) Work together  $\frac{1}{20} + \frac{1}{5} = \frac{1}{x}$   $x = 4$
- 6) Work against  $\frac{1}{6} - \frac{1}{8} = \frac{1}{x}$   $x = 24$
- 7) Work together  $\frac{1}{10} + \frac{1}{x} = \frac{1}{8}$   $x = 40$  (Jake helps Taylor with hw)

Extra practice from book sec 6.5 # 26, 25, 24, 22, 20, 19, 14 \*35, 36, 37

Never give them #21 23 27 28 29