## Algebra II

5-8
Solving Equations
with
Fractional Coefficients

17) $\left(\frac{x(x+1)}{5}-\frac{(x+1)}{6}=\frac{1}{3}\right) 30$
$6 x(x+1)-5(x+1)=10$
$6 x^{2}+6 x-5 x-5=10$
$6 x^{2}+x-5-10=10-10$
$6 x^{2}+x-15=0$
$(3 x+5)(2 x-3)=0$
$3 x+5=0 \quad 2 x-3=0$
$3 x=-5 \quad 2 x=3$
$x=-\frac{5}{3}$
$\left\{\begin{array}{l}\left.x=\frac{5}{3}, \frac{3}{2}\right\}\end{array}\right\}$


