

Algebra /

Finding the LCD of rational expressions with linear denominators: Common...

$$\begin{array}{ccc}
 \frac{1}{6x+6} & \frac{9}{2x} & \text{Find LCD} \\
 6(x+1) & & \text{LCD: } 6x(x+1) \\
 \hline
 \frac{-2}{(x+3)} & \frac{7x}{6x+18} & \text{LCD: } 6(x+3) \\
 (x+3) & 6(x+3) & \\
 \hline
 \frac{6(x+3)}{(x+3)} = 6 & \frac{6(x+3)}{6(x+3)} = 1 &
 \end{array}$$