

MATH 2A/5A Prep: Fractions and Linear Equations

1. Simplify the expression $\frac{2}{2x+1} - \frac{x}{x^2+1}$
2. Solve the equation $\frac{1-x}{1+x} = 3$.
3. In the script we mentioned $\frac{1}{a} + \frac{1}{b} \neq \frac{1}{a+b}$. Find the correct formula of writing $\frac{1}{a} + \frac{1}{b}$ as a single fraction.
4. Find the equation of the line passing through the point $(-2, 3)$ and is parallel to the line $y = 4x + 5$.