

[06-01-25-T7]
Rational Expressions

■ **A. Solve the following for the unknown**

[1] $\frac{4x}{3} + \frac{5x}{6} = 3$

[2] $\frac{2x-3}{3} + \frac{5x}{2} = 5$

[3] $-\frac{2-x}{3} + \frac{4x}{2} = 3 - \frac{x+3}{2}$

[4] $10 - \frac{2-x}{3} - \frac{x-2}{7} = -\frac{3-x}{3}$

■ **B. Simplify (if possible)**

[1] $\frac{3x-6}{3}$

[2] $\frac{3x-6}{x-2}, x \neq 2$

[3] $\frac{x-2}{2-x}, x \neq 2$

[4] $\frac{5x-2}{-3}$

■ A. Solve the following for the unknown

[1] $\left\{ \left\{ x \rightarrow \frac{18}{13} \right\} \right\}$

[2] $\left\{ \left\{ x \rightarrow \frac{36}{19} \right\} \right\}$

[3] $\left\{ \left\{ x \rightarrow \frac{13}{17} \right\} \right\}$

[4] $\left\{ \left\{ x \rightarrow \frac{223}{3} \right\} \right\}$

■ B. Simplify (if possible)

[1] $x - 2$

[2] 3

[3] -1

[4] $\frac{5x-2}{-3}$