

Solving Rational Expressions Bell Work

Solve the following rational expression by finding the value of the unknown variable.

1. $\frac{x}{10} = \frac{12}{5}$

2. $\frac{4t}{3} = 15 - \frac{t}{6}$

3. $\frac{u-2}{6} + \frac{2u+5}{15} = 3$

4. $\frac{2}{u+4} = \frac{5}{8}$

5. $\frac{6}{b} + 22 = 24$

Determine whether the following value of x is a solution to the equation.

$$x = 4 + \frac{21}{x}$$

6. $x = -3$

7. $x = 7$

Find solution for the following rational expressions.

8. $\frac{1}{5} = \frac{x}{10}$

9. $\frac{8}{m} - \frac{6}{m} = 7$

10. $\frac{c+1}{2} = \frac{c+2}{3}$