

Act. #34
"Solving Rational Equations"

* Solve the following equations.

$$\textcircled{1} \quad \frac{3}{(n+2)} = \frac{4}{(n-5)}$$

$$\textcircled{2} \quad \frac{v+2}{(v-4)} + \frac{7v-42}{(v-4)} = 1$$

$$\textcircled{3} \quad \frac{2}{(x-3)} = \frac{7}{3}$$

$$\textcircled{4} \quad \frac{m-4}{5m} = \frac{1}{5m} + \frac{6}{1}$$

$$\textcircled{5} \quad \frac{1}{1} + \frac{x^2 - 5x - 24}{3x} = \frac{x-6}{3x}$$

$$\textcircled{6} \quad \frac{6b+18}{b^2} + \frac{1}{b} = \frac{3}{b}$$

$$\textcircled{7} \quad \frac{5n}{3} + \frac{4}{(n-2)} = \frac{12}{3(n-2)}$$

$$\textcircled{8} \quad \frac{3m+2}{-2} = \frac{m-6}{3}$$

$$\textcircled{9} \quad \frac{5}{(x-2)} + \frac{1}{(x+7)} = \frac{3}{(x-2)(x+7)}$$

$$\textcircled{10} \quad \frac{m}{m-2} = \frac{3}{m+2}$$

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