| Solve the following equations. Be sure to check for extraneous solutions. |

1. $\dfrac{1}{x+5} = \dfrac{2}{7x}$ Excluded Values:_____

Extraneous Solution: YES or NO

Answer: _____

2. $\dfrac{x}{3} = \dfrac{-2}{x+7}$ Excluded Values:_____

Extraneous Solution: YES or NO

Answer: _____

3. $\dfrac{x+1}{x-2} = \dfrac{x-3}{x}$ Excluded Values:_____

Extraneous Solution: YES or NO

Answer: _____

4. $\dfrac{x-5}{-3} = \dfrac{4}{x+2}$ Excluded Values:_____

Extraneous Solution: YES or NO

Answer: _____

5. $1 + \dfrac{6}{x} = \dfrac{2x-4}{x} - 3$ Excluded Values:_____

LCD: _____

Extraneous Solution: YES or NO

Answer: _____

6. $\dfrac{3}{2} + \dfrac{1}{x} = 1 + \dfrac{4}{x}$ Excluded Values:_____

LCD: _____

Extraneous Solution: YES or NO

Answer: _____

7. $\dfrac{6}{x-3} - 4 = \dfrac{2}{x-3}$ Excluded Values:_____

8. $x + \dfrac{5}{x+6} = \dfrac{6x-1}{x+6}$ Excluded Values:_____

LCD: _____

Extraneous Solution: YES   or   NO

Answer: _____

LCD: _____

Extraneous Solution: YES   or   NO

Answer: _____

9.   13. $\dfrac{x+4}{x-1} + \dfrac{x}{x+1} = 2$

  Excluded Values:_____

10. $x + \dfrac{5}{x+6} = \dfrac{6x-1}{x+6}$ Excluded Values:_____

8. x

LCD: _____

Extraneous Solution: YES   or   NO

Answer: _____

LCD: _____

Extraneous Solution: YES   or   NO

Answer: _____

LCD: ___

Extran

Answer