

CLARK ALGEBRA 2 IN CLASS ASSIGNMENT Monday March 19, 2018

circled

Use loose leaf paper to copy each of the ten problems, show your work, solve each equation and check your solution.

$$16. x + \frac{10}{x-2} = \frac{x^2 + 3x}{x-2}$$

$$17. \frac{2}{x+3} + \frac{5}{3-x} = \frac{6}{x^2-9}$$

$$18. \frac{1}{2x+2} + \frac{5}{x^2-1} = \frac{1}{x-1}$$

$$19. \frac{2}{6x+2} = \frac{x}{3x^2+11}$$

$$20. \frac{3}{2x-4} = \frac{5}{3x+7}$$

$$21. \frac{2y}{5} + \frac{2}{6} = \frac{y}{2} - \frac{1}{6}$$

$$22. \frac{1}{2x+2} = \frac{1}{x-1}$$

$$23. \frac{2}{x+2} + \frac{5}{x-2} = \frac{6}{x^2-4}$$

$$24. 5 + \frac{5}{x} = \frac{6}{5x}$$

$$25. \frac{4}{x-1} = \frac{5}{x-2}$$

$$26. \frac{2x-1}{x+3} = \frac{5}{3}$$

$$27. \frac{7}{2} = \frac{7x}{8} - 4$$

$$28. 5 - \frac{4}{x+1} = 6$$

$$29. \frac{x}{x+3} - \frac{x}{x-3} = \frac{x^2+9}{x^2-9}$$

$$30. \frac{x}{3} + \frac{x}{2} = 10$$

$$31. \frac{2}{3} + \frac{3x-1}{6} = \frac{5}{2}$$

$$32. 4 + \frac{2y}{y-5} = \frac{8}{y-5}$$

$$33. \frac{4}{x-3} = \frac{2}{x+1} + \frac{16}{x^2-2x-3}$$

$$34. \frac{7}{x^2-5x} + \frac{2}{x} = \frac{3}{2x-10}$$

$$35. \frac{x+3}{x^2+3x-4} = \frac{x+2}{x^2-16}$$

$$36. \frac{3y}{5} + \frac{1}{2} = \frac{y}{10}$$