

Solve the following. SHOW ALL WORK ON A SEPARATE SHEET!!!

$$1. \frac{3-x}{6} = \frac{6-x}{12}$$

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

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

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

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

$$6. \frac{1}{4-5x} = \frac{3}{x+9}$$

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

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

$$14. \frac{2}{x-3} - \frac{4}{x+3} = \frac{8}{x^2-9}$$

$$15. \frac{3}{x+5} + \frac{2}{5-x} = \frac{-4}{x^2-25}$$

$$16. \frac{3}{x^2-1} + \frac{4x}{x+1} = \frac{1.5}{x-1}$$

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