

Algebra

$$6 \quad \frac{3x-4}{2} - \frac{6x-5}{8} = \frac{3x-1}{16}; \quad \frac{8(3x-4)}{8 \cdot 2} - \frac{2(6x-5)}{2 \cdot 8} = \frac{3x-1}{16}$$

$$24 - 32 - 12x + 10 = 3x - 1$$

$$9x = 21 \quad \underline{x = \frac{7}{3}}$$

$$7. \quad \begin{cases} 3 \cdot \{ 7x - 5y = 24 \\ -5 \cdot \{ 4x - 3y = 11 \end{cases} ; \quad \begin{array}{r} 21x - 15y = 72 \\ -20x + 15y = -55 \\ \hline 4 \qquad \qquad = 17 \end{array}$$

$$2x - 5y = 24$$

$$7(17) - 5y = 24$$

$$x = 17$$

$$\underline{y = 19}$$

$$119 - 5y = 24; \quad -5y = -95; \quad y = 19$$