

College Algebra Section 1-1

Linear Equations

Example 1: $\frac{1}{2}(x + 5) - 4 = \frac{1}{3}(2x - 1)$ Multiply all terms by 6

Example 2: $(2y + 1)(y - 1) = (y + 5)(2y - 5)$ FOIL BOTH SIDES

Example 3: $\frac{3}{x-2} = \frac{1}{x-1} + \frac{7}{(x-1)(x-2)}$ Multiply all by $(x-2)(x-1)$

Example 4: Shane grossed \$435 one week b working 52 hours. Her employer pas time-and-a-half for all hours worked in excess of 40 hours. With this information, can you determine Shane's regular hourly wage?