1. Make x the subject of each equation:

$x + 1 = a \quad x = a - 1$

$3x = b \quad x = \frac{b}{3}$

$2x + 3 = c \quad x = \frac{c-3}{2}$

$5x + 6 = d \quad x = \frac{d-6}{5}$

$\frac{x}{7} = f \quad x = 7f$

$\frac{x}{101} = w \quad x = 101w$

$x + 9 = h \quad x = h - 9$

$11x = b \quad x = \frac{b}{11}$

$12x + 13 = k \quad x = \frac{k-13}{12}$

$15x + 16 = l \quad x = \frac{l-16}{15}$

$\frac{x}{99} = f \quad x = 99f$

$\frac{x}{202} = z \quad x = 202z$

2. Make x the subject of each equation:

$2x + 1 = 2a$ $\quad x = a - \frac{1}{2}$ or $x = \frac{2a-1}{2}$

$3x + 4 = 5b$ $\quad x = \frac{5b-4}{3}$

$2xy = c$ $\quad x = \frac{c}{2y}$

$5xz = d$ $\quad x = \frac{d}{5z}$

$c = \frac{t}{x}$ $\quad x = \frac{t}{c}$

$y = \frac{p}{x}$ $\quad x = \frac{p}{y}$

$7x + 1 = 12a$ $\quad x = \frac{12a-1}{7}$

$22x + 41 = 55b$ $\quad x = \frac{55b-41}{22}$

$20xy = q$ $\quad x = \frac{q}{20y}$

$55xz = l$ $\quad x = \frac{l}{55z}$

$r = \frac{s}{x}$ $\quad x = \frac{s}{r}$

$z = \frac{n}{x}$ $\quad x = \frac{n}{z}$