Linear Equations

(1) Solve the following equation:

$$3x + 7 - (5 - 2x) = 6x - 2 \tag{1}$$

(2) Solve the following equation:

$$7 - 3(2t - 5) + 5(9 - 3t) = 5(1 - 7t) - 2(4 - 3t) \tag{2}$$

(3) Solve the following equation:

$$(3x - 5)^2 - (2x + 3)^2 = 5(x - 2)(x + 2) - 2(14x + 3) \tag{3}$$

(4) Solve the following equation:

$$(3y - 2)(y - 4) - (2y - 3)^2 + y(y - 3) = 7(y - 1) - 6(y + 2) \tag{4}$$

(5) Solve the following equation:

$$99 - 10t(1 - 2t) = 8t(t - 1)^2 - (2t - 3)^3 \tag{5}$$

(6) Solve the following equation:

$$\frac{3 + 5x}{8} - \frac{2(3x - 1)}{4} = \frac{1 + x}{2} + 10 \tag{6}$$

(7) Solve the following equation:

$$x + \frac{x + 3}{2} - \frac{x}{4} - 1 = \frac{x + 4}{8} \tag{7}$$

(8) Solve the following equation:

$$\frac{s}{2} + \frac{s}{3} - \frac{s}{4} = \frac{7s + 5}{12} \tag{8}$$

(9) Solve the following equation:

$$\frac{x}{x - 1} + \frac{x + 1}{x} = \frac{2x^2 + 3x - 3}{x^2 - x} \tag{9}$$

(10) Solve the following equation:

$$\frac{1}{x(x - 1)} - \frac{2}{(x + 1)(x - 1)} = \frac{1}{x(x + 1)} \tag{10}$$