

5. 公式

$$1. \quad x = \frac{4+2}{3-(-3)} = \frac{6}{6} = 1$$

5.1. 主項變換

$$2. \quad x = 4 - y \\ y = 4 - x$$

$$3. \quad x = 4 + 2y \\ x - 4 = 2y \\ 2y = x - 4 \\ y = \frac{x - 4}{2}$$

$$4. \quad 3p + 7 = 4x + 4p \\ 7 - 4x = 4p - 3p \\ p = 7 - 4x$$

$$5. \quad A = 3z + xy + xz \\ A - xy = z(3 + x) \\ z = \frac{A - xy}{3 + x}$$

$$6. \quad x = \frac{4+b}{3-a} \\ x(3-a) = 4 + b \\ 3x - ax = 4 + b \\ 3x - b - 4 = ax \\ a = \frac{3x - b - 4}{x} \quad (\text{或 } a = 3 - \frac{b+4}{x})$$