

# Basic Algebra Worksheet

Solve  $5x = -4$  (1)

Expand  $8x^2(x + 4)$  (2)

Simplify  $x \times x \times x \times x$  (3)

Make  $x$  the subject in  $7(x - 10) = y$  (4)

Make  $z$  the subject in  $-3x = -3y - 4z$  (5)

Expand  $-2x(x - 9)$  (6)

Solve  $x + x + x = 7$  (7)

Solve  $\frac{8x}{10} = -7$  (8)

Factorize  $-11x^2 + 132x$  (9)

Factorize  $10x^2 - 20xy$  (10)

Simplify  $y + x^3 + y + x^3$  (11)

Factorize  $6x^2 - 18xy$  (12)

Expand  $5x(x^2 - 4)$  (13)