

Basic Algebra Test

- 1) Simplify the expression $4x + 2 + x$
- 2) Expand the expression $4(x-2)$
- 3) Factorise the expression $6x - 3$
- 4) If your age is x and my age in two years time will be four times yours, create an algebraic expression for my age.
- 5) Rearrange the equation $10 = 5 - x$ so that x is on the left hand side
- 6) Solve:
 - a. $2x + 1 = 9$
 - b. $12 = 10 - 2x$
 - c. $3x = x - 6$
 - d. $5(x-2) = 1$ (The answer is not an integer)
 - e. $1 - 2x = 0$
 - f. $2x + 5 = 1$
 - g. $10 - x = 20$
 - h. $\frac{3}{5}x - 6 = 4$
 - i. $0.2x - 10 = 0$