

# Expanding Two Brackets and Simplifying

## Exercise 1

Expand and simplify each of the following expressions:

- 1)  $(x + 2)(x + 3)$  \_\_\_\_\_
- 2)  $(x + 1)(x + 7)$  \_\_\_\_\_
- 3)  $(x + 7)(x + 4)$  \_\_\_\_\_
- 4)  $(x - 2)(x - 3)$  \_\_\_\_\_
- 5)  $(x - 5)(x - 2)$  \_\_\_\_\_
- 6)  $(x + 4)(x - 2)$  \_\_\_\_\_
- 7)  $(x + 1)(x - 3)$  \_\_\_\_\_
- 8)  $(x - 3)(x + 3)$  \_\_\_\_\_
- 9)  $(x + 4)(x - 4)$  \_\_\_\_\_
- 10)  $(x + 5)^2$  \_\_\_\_\_

## Exercise 2

Expand and simplify each of the following expressions:

- 1)  $(2x + 1)(x + 3)$  \_\_\_\_\_
- 2)  $(3x + 4)(x - 2)$  \_\_\_\_\_
- 3)  $(4x + 3)(5x + 3)$  \_\_\_\_\_
- 4)  $(5x + 7)(9x - 3)$  \_\_\_\_\_
- 5)  $(3x + 5)(2x - 7)$  \_\_\_\_\_
- 6)  $(2x - 4)(6x - 2)$  \_\_\_\_\_
- 7)  $(3x - 7)(2x + 6)$  \_\_\_\_\_
- 8)  $(4x + 6)(2x - 3)$  \_\_\_\_\_

9)  $(6x + 3)(6x - 3)$

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10)  $(4x - 3)^2$

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