**TWO linear EXPRESSIONS**

**EXPRESSIONS**

**MULTIPLYING OUT**

**EXPRESSIONS**

**C**

**Pythagroas**

**GRADE BUSTER**

*Your ‘5 a day’ mathematical workout*

1. Expand and simplify:

a) (x + 2)(x + 4) b) (p + 5)(p + 3) c) (y + 6)(y – 4)

2. Expand and simplify:

a) (b - 8)(y – 3) b) (x + 3)2 c) (y – 4)2

3. Ian has expanded two expressions and got an answer of the form:

x2 + px + 24, where p is an integer.

Find 3 different pairs of expressions Ian expanded and simplified

4. i) Explain what is wrong with the following solution:

*(x – 10)2*

*(x) 2 = x2 (-10)2 = 100*

*(x – 10)2 = x2 + 100*

Expand and simplify (x – 10)2

ii) Find the correct solution

5)

**x - 2**

**x + 3**

**x - 2**

**x + 2**

Find the combination of expressions, where possible, to give:

a) x2 + 5x + 6

b) x2 – 4

c) x2 - x – 6

d) x2 + 9

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| Qu |  | ☺ | ☹ |
| 1, 4 & 5 | I can expand and simplify two linear expressions |  |  |
| 2 | I can factorise a quadratic |  |  |
| 3 | I can solve problems by manipulating expressions |  |  |

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| Top tips I must remember for the exam: |
| ☺  ☺  ☺ |
| Types of questions I need to practise more: |
| ☺  ☺  ☺ |