Practice worksheet | Quadratics and Parabolas

Expanding quadratic products

Name: _____ Date: _____

6 questions | 14 marks

1. Expand $(x + 3)(x + 5)$. [2 marks]

2. Expand $(x - 6)(x + 2)$. [2 marks]

3. Expand $(2x + 1)(x - 4)$. [2 marks]

4. Expand $(3x - 2)^2$. [2 marks]

5. A rectangle has side lengths $(x + 2)$ cm and $(x + 5)$ cm. Write its area as an expanded expression. [3 marks]

6. A student says $(x - 4)(x + 4) = x^2 + 16$. Explain the sign error and give the correct expansion. [3 marks]