Practice worksheet | Quadratics and Parabolas

Monic and non-monic factorisation

Name: _____ Date: _____

6 questions | 16 marks

1. Factorise $x^2 + 9x + 20$. [2 marks]

2. Factorise $x^2 - 2x - 15$. [2 marks]

3. Factorise $2x^2 + 7x + 3$. [3 marks]

4. Factorise $3x^2 - 11x - 4$. [3 marks]

5. Factorise $2x^2 - 18$ completely. [3 marks]

6. Can $x^2 + x + 1$ be written as $(x + p)(x + q)$ with integer p and q? Explain. [3 marks]