Practice worksheet | Quadratics and polynomial graphs

Converting quadratic forms

Name: _____ Date: _____

6 questions | 14 marks

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

2. Factorise x^2+2x-8. [2 marks]

3. Write x^2+2x-8 in vertex form. [2 marks]

4. Convert $-2(x-3)^2+8$ to expanded/factored forms. [3 marks]

5. Roots are -1 and 3 and the graph passes through $(0, -6)$. Find the quadratic. [3 marks]

6. Can x^2+4 factorise into real linear factors? Explain. [2 marks]