Answers to JTOW #2: Completing the Square

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1. 47

2. $(a, b) = (2, -2)$

3. $(x, y) = (-1, -1)$

4. $(a, b, c) = (1, 1, 0), (-1, -1, 0), (0, 1, 1), (0, -1, -1), (1, 0, 1), (-1, 0, -1)$

5. $t = 2 \pm \sqrt{3}, \dfrac{3 \pm \sqrt{5}}{2}$.