

Completing the Square – The Basics
Unit 2A: Quadratic Functions – Representations

| Complete the Square on... | Explanation of Work |
|--|---------------------|
| 1. $x^2 + 24x + \underline{\hspace{2cm}}$ | |
| 2. $x^2 - 12x + \underline{\hspace{2cm}}$ | |
| 3. $x^2 + 100x + \underline{\hspace{2cm}}$ | |
| 4. $x^2 - 36x + \underline{\hspace{2cm}}$ | |
| 5. $x^2 + 60x + \underline{\hspace{2cm}}$ | |

| Complete the Square on... | Explanation of Work |
|--|---------------------|
| 6. $x^2 - 48x + \underline{\hspace{2cm}}$ | |
| 7. $x^2 + 2x + \underline{\hspace{2cm}}$ | |
| 8. $x^2 - 20x + \underline{\hspace{2cm}}$ | |
| 9. $x^2 + 80x + \underline{\hspace{2cm}}$ | |
| 10. $x^2 - 1000x + \underline{\hspace{2cm}}$ | |