

**Factoring Perfect Square Trinomials**  
Unit 2A: Quadratic Functions – Representations

<b>Problem to Factor</b>	<b>Explanation of Work</b>
1. $9x^2 + 12x + 4$	
2. $25x^2 - 60x + 36$	
3. $64x^2 + 144x + 81$	
4. $x^2 - 10x + 25$	
5. $x^2 + 22x + 121$	

Problem to Factor	Explanation of Work
6. $225x^2 - 90x + 9$	
7. $121x^2 + 440x + 400$	
8. $36x^2 - 84x + 49$	
9. $100x^2 + 340x + 289$	
10. $625x^2 - 2150x + 1849$	