SM3 Unit 3 Test Review

1. $(x + 9)(x - 9)$

2. $(x + 5)(x^2 - 5x + 25)$

3. $(x + 6)(x + 10)$

4. $(5x + 2)(2x - 3)$

5. $(x - 7)(x - 7)$ or $(x - 7)^2$

6. $(4x - 3y)(16x^2 + 12xy + 9y^2)$

7. $5x(5x - 3)$

8. $4(3y^2 - 2)(9y^4 + 6y^2 + 4)$

9. $(8x + 5y^2)(8x - 5y^2)$

10. $(5x - 2)(x - 10)$

11. $9(y - 2)$

12. $2(5x^2 - 2)(2x^2 + 3)$

13. $x = 3$ and $x = 12$

14. $x = 0$ and $x = 3$

15. $x = -\frac{3}{2}$ and $x = 4$

16. $x = \pm 3$ and $x = -\frac{5}{2}$

17. $x = 25$ Twenty-five meals must be catered to break even.

18. 4 meters