Algebra 1 - Order of Operations Simplifying Expressions

Simplify each of the following:

1. $2x(3x^2 - 4)$ [$6x^3 - 8x$]

2. $\frac{4x^3}{2x}$ [$2x^2$]

3. $5x^2 \bullet 3x$ [$15x^3$]

4. $\frac{6x^4}{2x^2}$ [$3x^2$]

5. $\frac{28-14x+7x^2}{-7}$ [$-4 + 2x - x^2$]

6. $(-\ 2x^3)(3x^4)$ [$-\ 6x^7$]

7. $3x \bullet (4x^2 + 5x - 6)$ [$12x^3 + 15x^2 - 18x$]

8. $4x^2 * \frac{3x}{2}$ [$6x^3$]

9. $\frac{10x^5}{5x^2}$ [$2x^3$]

10. $7x \bullet (2x^2 - 3x + 1)$ [$14x^3 - 21x^2 + 7x$]

11. $\frac{9x^4}{3x^2}$ [$3x^2$]

12. $2x(4x^2 - x + 5)$ [$8x^3 - 2x^2 + 10x$]

13. $-3y^3 - 2y(y^2 - y) + 5y^2$ [$-5y^3 + 7y^2$]

14. $2x^3 \bullet 3x^3$ [$6x^6$]

15. $(2x)^4$ [$16x^4$]