All Multiplication Skills Worksheet 2

INSTRUCTIONS: Find the product of the two binomials.

1. $(2x - 2)(3x + 6)$
   A. $6x^2 - 12x - 12$
   B. $6x + 12x + 12$
   C. $6x^2 + 12x - 12$
   D. $6x - 12x + 12$

2. $(4x - 2)^2$
   A. $16x^2 + 16x + 4$
   B. $16x^2 - 16x + 4$
   C. $16x^2 + 8x + 4$
   D. $16x^2 - 8x - 4$

3. $2m^3(m^3 - 2m^2 - 3m - 1)$
   A. $2m^6 - 2m^6 - 6m^4 - 2m^3$
   B. $2m^9 - 4m^6 - 6m^3 - 2m^3$
   C. $2m^9 - 2m^6 - 5m^4 - 2m^3$
   D. $2m^6 - 4m^5 - 6m^4 - 2m^3$

4. $4st(6s^2 + 3s^3 + t^2)$
   A. $24s^3t + 12s^4t + 4st^3$
   B. $24s^2t + 12s^4t + 4st^3$
   C. $24s^3t + 7s^4t + 4st^3$
   D. $24s^3t + 12s^4t + 4s^2t^2$

5. $(6x^2 - 1)^2$
   A. $36x^4 + 1$
   B. $36x^4 - 1$
   C. $36x^4 + 12x^2 + 1$
   D. $36x^4 - 12x^2 + 1$

6. $(2x + 2)(2x - 3)$
   A. $4x^2 + 2x - 6$
   B. $4x^2 - 2x - 6$
   C. $4x^2 - 2x + 6$
   D. $4x^2 + 2x + 6$

7. $(3x)(2x^2 + 3x + 2)$
   A. $6x^2 + 9x + 6x$
   B. $5x^3 + 6x^2 + 5x$
   C. $6x^3 + 9x^2 + 6x$
   D. $5x^2 + 6x^2 + 6x$

8. $12v(vx + vy + 2)$
   A. $12v^2x + 12v^2y + 24v$
   B. $12vx + 12vy + 24v$
   C. $12v^2x^2 + 12v^2y^2 + 24v$
   D. $12v^2x + 12v^2y + 12v$

9. $(x - 1)^2$
   A. $x^2 - 2$
   B. $x^2 + 2x - 1$
   C. $x^2 - 2x - 1$
   D. $x^2 - 2x + 1$

10. $(3x + 3)(2x - 2)$
    A. $6x^2 - 6$
    B. $6x^2 + 6$
    C. $6x^2 + 6x + 6$
    D. $6x^2 - 6x - 6$

11. $4m(2m^2n + m + mn)$
    A. $4m^2 + 4m^2 + 4m^2n$
    B. $4m^3 + 4m + 4m^2n$
    C. $8m^3n + 4m^2 + 4m^2n$
    D. $8m^2 + 4m + 4m^2n$

12. $(t - 1)(2t - 1)$
    A. $2t^2 - 2t + 1$
    B. $2t^2 - 3t + 1$
    C. $2t^2 + 3t + 1$
    D. $2t^2 - 2t - 1$