Name:_____ Period:_____ Score:_____

1-1,2,3 Quiz Practice – Extra Problems

Adding and Subtracting Polynomials

1) $\left(12a^5 - 6a - 10a^3\right) - (10a - 2a^5 - 14a^4)$

2) $\left(13n^2 + 11n - 2n^4\right) + \left(-13n^2 - 6n^4\right)$

Multiplying Binomials

3) $(n-1)(n+2)$

4) $(3n+2)(n+3)$

5) $(v-1)(3v-3)$

6) $(5x+6)(8x-4)$

Simplify using Order of Operations

7) $\dfrac{18 \div 9 + 2 \cdot 6}{15 \div 3 + 2 \cdot 7 + 81 \div 9}$

8) $3\left[4 - 8 + 4^2(2+5)\right]$

9) $\dfrac{(-5)(4)-(-5)}{-23-2(11)}$

Solve.

10) $3(3m-2)=2(3m+3)$

11) $6(3y+1)-30=3(2y-4)$

Check your answers:

1) $14a^5+14a^4-10a^3-16a$

2) $-8n^4+11n$

3) n^2+n-2

4) $3n^2+11n+6$

5) $3v^2-6v+3$

6) $40x^2+28x-24$

7) $\dfrac{1}{2}$

8) 324

9) $\dfrac{1}{3}$

10) $m=4$

11) $y=1$