Name _____   Date _____ Class _____

Homework: Review of like terms, power rules, distribution   Mr. Lynch

<u>Simplify each of the following:</u>

1) $-6d^2 + 14d - 3x^2 + 100d^2 + 5x^2 + 12$

2) $-3x(x - 4) - 5(x - y) + x(y + 8$

3) $(12d^3e^4f^{10})(-2de^3f^4)^2$

4) $(11z^5 - 16d) - 2(10z^5 - 2d)$

5) $10(a^2 - a) + 4(a^2 - 5a - 5) - 2(a)$

6) $\dfrac{32x^5y^7z^{12}}{2xy^{10}z^{14}}$

7) $-4(a^4b^{10}c^3d^{11})^3$

8) $(-22xy^3z^{10})(-11x^2yz^5)$