

1. a. Write $4x^2 - 3 - 4x^3 + x$ in standard form: _____

b. How many terms? _____

c. What is the leading coefficient? _____

d. What is the degree? _____

2. Write an example of a quadratic binomial: _____

#3-10, Simplify each if possible

3. $3z^2 + 15z - z^2 + 8 - z$

4. $3m(2 - 4m) - (m + 8m^2)$

5. $(3w^3 - 2w^2 + 5w) + (12w^3 + 2w^2 - 9w - 20)$

6. $(11m^2n)(-3m^3n)$

7. $(3g - 7)(10g + 2)$

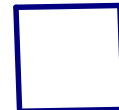
8. $(3y - 9)(2y^2 - 6y + 10)$

9. $(3w - 1)^2$

10. $(m - 5)(m + 4) - (2m - 3)$

11. The square at right has side lengths of $(8x-3)$ inches.

a. Find the perimeter of the square:



b. Find the area of the square: