Multiplying Polynomials: Applications

1) A parallelogram has a base of $4d^2 - 8$ and a height of $d^4 + 2d^2 + 3d^5 + 6$. Find the area of the parallelogram.

2) Find the volume of the rectangular prism whose length, width and height are given by x^5, $x^2 + 9z^6$ and $7v^3 - 5x^2$ respectively.

3) If the side of a c...e area of the cube.

4) The base and h...$3c^3$ respectively. Determine the

5) What is the area of a rectangle, if the length and width are $11q^4$ and $7q^5 + 8q^3 - 5 - q$ respectively?