

Name : _____

Multiplying Polynomials: Applications

Sheet 2

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 cube is $3x^2 + 2x - 5$, find the surface area of the cube.

4) The base and height of a rectangular prism are $2x^2 + 3x - 4$ and $3x^3$ respectively. Determine the volume of the rectangular prism.

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

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