Multiplying Polynomials: Applications

1) The length, height and width of a rectangular prism are $2x^4 + 3x^2$, x^5 and 10 respectively. Find the volume of the rectangular prism.

2) If the side of a cube measures $t^2 - s^3t$, determine the volume of the cube.

3) Find the area of $4y^4 - 9 + 2y^6$ and $8y - 4y^3$.

4) What will be th   ght of the parallelogram a   ely?

5) Find the area of the square whose side length is $9a^3b^2c^2$.

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