

Name : _____

Dividing Polynomials

Sheet 2

- 1) The area of a rhombus is $21c^3 - 5c^2 - 11c + 4$. If one of the diagonals measures $7c - 4$, determine the length of the other diagonal.

- 2) The height of a parallelogram is $g + 8$. If it has an area of $10g^2 + 71g - 72$, determine the base of the parallelogram.

- 3) The area of a rectangle is $10n^3 + 25n^2 + 15n$. If the width is n^2 , determine the length of the rectangle,

- 4) Find the height of a rectangle if the length is $p^3 + 11p^2 + 27p - 6$ and the area is $p^4 + 12p^3 + 45p^2 - 6p - 12$.

- 5) The volume of a rectangular prism is $5t^4 + 19t^3 + 11t^2 + 57t - 12$. If the length and width of the rectangular prism are $5t - 1$ and $t + 4$ respectively, determine the height.

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com