ÂF	Dividing Polynomials - Shapes

Name \_\_\_\_\_

Score \_\_\_\_\_

DP:22

1)	The area of a rectangle is 20m <sup>4</sup> n <sup>6</sup> . If the breadth of the rectangle is 4m <sup>3</sup> n <sup>2</sup> , find the width of the rectangle.
2)	If the base and area of a parallelogram are 2gh and $8g^4h^5 + 2g^3h^3$ respectively, determine the height of the parallelogram.
3)	Find the breadth of a rectangle whose width and area of the rectangle are $x + 2$ and $x^2 + 5x + 6$ respectively.
4)	The area of a parallelogram is $2n^3 - 9n^2 + n + 12$ . Calculate the base of the parallelogram if its height is $2n - 3$ .
5)	The area and width of a rectangle are $10k^3 + 20k^2 - 15k$ and 5k respectively. What is the breadth of the rectangle?

	Dividing Polynomials - Shapes Answer key	Name Score DP:22
1)	The area of a rectangle is 20m⁴n⁶. If the breadth of the width of the rectangle.	rectangle is 4m <sup>3</sup> n <sup>2</sup> , find the
	5mn <sup>4</sup>	
2)	If the base and area of a parallelogram are 2gh and 8g determine the height of the parallelogram.	<sup>₄</sup> h <sup>5</sup> + 2g³h³ respectively,
	$4g^{3}h^{4} + g^{2}h^{2}$	
3)	Find the breadth of a rectangle whose width and area and $x^2 + 5x + 6$ respectively.	of the rectangle are x + 2
	x + 3	
4)	The area of a parallelogram is 2n <sup>3</sup> – 9n <sup>2</sup> + n + 12. Calcu parallelogram if its height is 2n – 3.	late the base of the
	n <sup>2</sup> – 3n – 4	
5)	The area and width of a rectangle are 10k <sup>3</sup> + 20k <sup>2</sup> – 15l is the breadth of the rectangle?	k and 5k respectively. What
< li>	<b>2k<sup>2</sup> + 4k - 3</b>	