Area - Multiplying Polynomials

Name _____

Score _____

MP:27

1) The side length of a square is $-7u^2v^6$. Find the area of the square.

_____

2) The base and height of a parallelogram are $m^2 + n^3$ and $3n^3 + 2m^2$ respectively. Calculate the area of the parallelogram.

_____

3) If the breadth and width of a rectangle are $2x^4y^7$ and $3x^5y^5$ respectively, what will be the area of the rectangle?

_____

4) Determine the area of a square, if the side length of the square is $4k + 7$.

_____

5) Find the area of rectangle whose breadth and width are $-6a^2b^2$ and $1 + a^2b^2$ respectively.

_____

Area - Multiplying Polynomials

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Score _____

Answer key

MP:27

1) The side length of a square is $-7u^2v^6$. Find the area of the square.

$49u^4v^{12}$

2) The base and height of a parallelogram are $m^2 + n^3$ and $3n^3 + 2m^2$ respectively. Calculate the area of the parallelogram.

$3n^6 + 5m^2n^3 + 2m^4$

3) If the breadth and width of a rectangle are $2x^4y^7$ and $3x^5y^5$ respectively, what will be the area of the rectangle?

$6x^9y^{12}$

4) Determine the area of a square, if the side length of the square is $4k + 7$.

$16k^2 + 56k + 49$

5) Find the area of rectangle whose breadth and width are $-6a^2b^2$ and $1 + a^2b^2$ respectively.

$-6a^4b^4 - 6a^2b^2$