Area - Multiplying Polynomials

Name _____

Score _____

MP:25

1) Find the area of the rectangle whose having breadth and width are $4k^4$ and $5k^2$ respectively.

_____

2) If the side length of a square is $3x + 7y$, then what will be the area of the square?

_____

3) Determine the area of a parallelogram, if the base and height of the parallelogram are $7mn - 2$ and $3mn$ respectively.

_____

4) The side length of a square is $5w^5$. Calculate the area of the square.

_____

5) Find the area of a parallelogram whose having base and height of the parallelogram are $u^2v^2 + uv$ and $4uv - 3u^2v^2$.

_____

Area - Multiplying Polynomials

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Answer key

MP:25

1) Find the area of the rectangle whose having breadth and width are $4k^4$ and $5k^2$ respectively.

$20k^6$

2) If the side length of a square is $3x + 7y$, then what will be the area of the square?

$9x^2 + 42xy + 49y^2$

3) Determine the area of a parallelogram, if the base and height of the parallelogram are $7mn - 2$ and $3mn$ respectively.

$21m^2n^2 - 6mn$

4) The side length of a square is $5w^5$. Calculate the area of the square.

$25w^{10}$

5) Find the area of a parallelogram whose having base and height of the parallelogram are $u^2v^2 + uv$ and $4uv - 3u^2v^2$.

$-3u^4v^4 + u^3v^3 + 4u^2v^2$