



Area - Multiplying Polynomials

Name _____

Score _____

MP:26

- 1) The base and height of a parallelogram are $8g - 1$ and $5h$ respectively. Calculate the area of the parallelogram.

- 2) Determine the area of rectangle whose breadth and width are $6t^2$ and $-10t^3$ respectively.

- 3) The side length of a square is $2k^3 + 5$. Find the area of the square.

- 4) Find the area of a parallelogram whose base and height of the parallelogram are $8x^4y^2z^5$ and $3xy^2z$.

- 5) If the breadth and width of a rectangle are $3p - 4$ and $7p + 1$ respectively, what will be the area of the rectangle?



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Answer key

MP:26

- 1) The base and height of a parallelogram are $8g - 1$ and $5h$ respectively. Calculate the area of the parallelogram.

$$40gh - 5h$$

- 2) Determine the area of rectangle whose breadth and width are $6t^2$ and $-10t^3$ respectively.

$$-60t^5$$

- 3) The side length of a square is $2k^3 + 5$. Find the area of the square.

$$4k^6 + 20k^3 + 25$$

- 4) Find the area of a parallelogram whose base and height of the parallelogram are $8x^4y^2z^5$ and $3xy^2z$.

$$24x^5y^4z^6$$

- 5) If the breadth and width of a rectangle are $3p - 4$ and $7p + 1$ respectively, what will be the area of the rectangle?

$$21p^2 - 25p - 4$$