Perimeter: Adding Polynomials

Name _____

Score _____

AP:26

1) $3a^2 - b^2$, $5ab$, $2b^2 - 6a^2 - ab$, $8b^2 + 3ab$ are the bases and sides of a trapezoid. Find its perimeter.

_____

2) Calculate the perimeter of a equilateral triangle with its side length is $2h^2 - 5$.

_____

3) If the breadth and width of a rectangle are $2gh - 3h + 4$ and $1 - gh$ respectively, then what will be the perimeter of the rectangle?

_____

4) Find the perimeter of square whose side length is $2k^3 + 7$.

_____

5) Determine the perimeter of a parallelogram, if the base and height of the parallelogram are $8p^4$ and $2p^4$ respectively.

_____

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Answer key

AP:26

1) $3a^2 - b^2$, $5ab$, $2b^2 - 6a^2 - ab$, $8b^2 + 3ab$ are the bases and sides of a trapezoid. Find its perimeter.

$-3a^2 + 7ab + 9b^2$

2) Calculate the perimeter of a equilateral triangle with its side length is $2h^2 - 5$.

$6h^2 - 15$

3) If the breadth and width of a rectangle are $2gh - 3h + 4$ and $1 - gh$ respectively, then what will be the perimeter of the rectangle?

$2gh - 6h + 10$

4) Find the perimeter of square whose side length is $2k^3 + 7$.

$8k^3 + 28$

5) Determine the perimeter of a parallelogram, if the base and height of the parallelogram are $8p^4$ and $2p^4$ respectively.

$20p^4$