



Perimeter: Adding Polynomials

Name _____

Score _____

AP:27

- 1) If the breadth and width of a rectangle are $4d^3 - 6$ and $1 - d^3$ respectively, then what will be the perimeter of the rectangle?

- 2) $2m^3$, $6n^4 - 1$, $3n^4$ and $1 - 2m^3$ are the bases and sides of a trapezoid. Find its perimeter.

- 3) Determine the perimeter of square whose side length is $5u + 2v^2 - 1$.

- 4) Find the perimeter of a parallelogram, if the base and height of the parallelogram are $2z^3 - z$ and $4z + z^3 - 1$ respectively.

- 5) The sides of a triangle are x^2y , $3xy + 4x^2y$ and x^2y respectively. Calculate the perimeter of the triangle.



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Answer key

AP:27

- 1) If the breadth and width of a rectangle are $4d^3 - 6$ and $1 - d^3$ respectively, then what will be the perimeter of the rectangle?

$$\underline{6d^3 - 10}$$

- 2) $2m^3$, $6n^4 - 1$, $3n^4$ and $1 - 2m^3$ are the bases and sides of a trapezoid. Find its perimeter.

$$\underline{9n^4}$$

- 3) Determine the perimeter of square whose side length is $5u + 2v^2 - 1$.

$$\underline{8v^2 + 20u - 4}$$

- 4) Find the perimeter of a parallelogram, if the base and height of the parallelogram are $2z^3 - z$ and $4z + z^3 - 1$ respectively.

$$\underline{6z^3 + 6z - 2}$$

- 5) The sides of a triangle are x^2y , $3xy + 4x^2y$ and x^2y respectively. Calculate the perimeter of the triangle.

$$\underline{6x^2y + 3xy}$$