Perimeter: Adding Polynomials

1) Find the perimeter of square whose side length is 4xy.

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2) If the breadth and width of a rectangle are $t + 5$ and $4t$ respectively, then what will be the perimeter of the rectangle?

   _____

3) The sides of a triangle are $3p$, $8 - 2q$ and $7 + 2q - 3p$ respectively. Determine the perimeter of the triangle.

   _____

4) Calculate the perimeter of a parallelogram, if the base and height of the parallelogram are $m^2 + n - 2$ and $3m^2$ respectively.

   _____

5) $4w$, $5 + 2w - w^2$, $8w^2$ and $3 - 2w$ are the bases and sides of a trapezoid. Find its perimeter.

   _____

Perimeter: Adding Polynomials

Answer key

1) Find the perimeter of square whose side length is 4xy.

16xy

2) If the breadth and width of a rectangle are t + 5 and 4t respectively, then what will be the perimeter of the rectangle?

10t + 10

3) The sides of a triangle are 3p, 8 − 2q and 7 + 2q − 3p respectively. Determine the perimeter of the triangle.

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4) Calculate the perimeter of a parallelogram, if the base and height of the parallelogram are $m^2 + n − 2$ and $3m^2$ respectively.

$8m^2 + 2n − 4$

5) 4w, $5 + 2w − w^2$, $8w^2$ and 3 − 2w are the bases and sides of a trapezoid. Find its perimeter.

$7w^2 + 4w + 8$