

Test Paper for Factorization

Question 1

The sum of $(x + 5)$ observations is $x^4 - 625$. Find the mean of the observations.

Question 2

The height of a triangle is $x^4 + y^4$ and its base is $14xy$. Find the area of the triangle.

Question 3

Factorise
 $p^4 - (p - q)^4$

Question 4

The area of a circle is given by the expression $\pi x^2 + 6\pi x + 9\pi$. Find the radius of the circle.

Question 5

Factorize the expressions.

$$63p^2q^2 r^2 s - 9pq^2 r^2 s^2 + 15p^2qr^2 s^2 - 60p^2 q^2 rs^2$$