

Quiz 5

Name:

Perm Number:

1) If x is increased from 2 to $2 + h$, how much does $x^2 - x + 2$ increase? Your final answer should be in terms of h .

2) If $f(n) = n^2 - 1$, compute $\sum_{n=0}^4 f(n)$.

$$\sum_{n=0}^4 f(n) = \boxed{}$$

- 3) The side of a roof is going to be built. Its shape is an isosceles triangle with base b and height h (figure below). The area of this triangle is $10m^2$. Express the perimeter in terms of the height.



Perimeter =