Name:

Franci

Perm Number:

5894504

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.

$$x^{2}-x+2+n=0$$

$$x^{2}-x+2=n-2$$

$$y^{2}-x+2=n-2$$

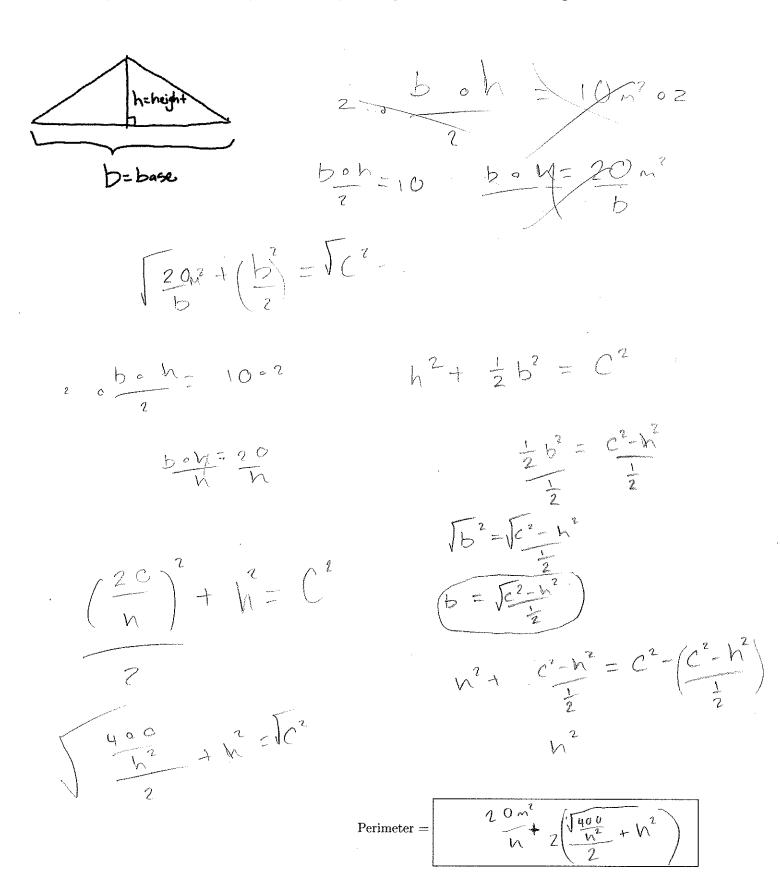
$$y^{2}-x+2=n-2$$

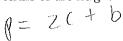
$$y^{2}-x+2=n-2$$

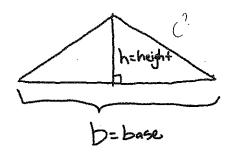
$$y^{2}-x+2=n+2+x^{2}$$

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

0+3+8+15







$$\frac{10 = \frac{1}{2}b \cdot h}{N}$$

$$\frac{2(\frac{1}{2}b) = \frac{2(10)}{N}}{(\frac{10}{2}b)}$$

$$\frac{2}{2}\left(\frac{1}{2}b\right) = \frac{2}{2}\left(\frac{10}{N}\right)$$

$$A = \frac{1}{2}b \cdot h$$

$$A = 10m^{2}$$

$$V(\frac{1}{2}b)+(h)^{2} \cdot V(\frac{2}{2}b)^{2} \cdot h^{2}$$

$$C = V(\frac{1}{2}b)^{2} \cdot h^{2}$$

$$C = V(\frac{1}{2}b)^{2} + h^{2}$$

$$C = V(\frac{1}a)^{2} + h^{2}$$

$$C = V(\frac{1}{2}b)^{2} + h^{2}$$

$$C = V(\frac{1}{2}b)^$$

Perimeter =
$$2\left(\sqrt{\frac{10}{N} + h^2}\right) + \frac{70}{N}$$



(Z+n)(z+n) 4+2h+2h+h2

Name:

Richard Montes Lemus

Perm Number:

9709999

4+4h+h2

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

$$(21n)^{2} - (21n) + 2 \times (21n)^{2} - (21n) + 2 \times (21n)^{2} - 2 + 2 = 1$$

$$(11+1h+h^{2} - 2-h+2) + (11+1h+h^{2} - 2-h+2) + (11+$$

12+3M

$$\frac{2^{2}-2+2}{2} = \boxed{1}$$

$$\frac{2}{(2+h)^{2}-(2+h)+2}$$

$$\frac{1}{(2+h)^{2}-(2+h)+2}$$

$$\frac{1}{(2+h)^{2}-(2+h)+2}$$

$$\frac{1}{(2+h)^{2}-(2+h)+2}$$

$$\frac{1}{(2+h)^{2}+(h-h+4+2)}$$

$$4 - (h^2 + 3h + 4)$$

 $4 - h^2 - 3h - 4$

 $\lfloor h^2 + 3h \rfloor$

(-h2-3h) ingon not decrease

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

$$n^{2}-1$$

$$(0^{2}-1)+(1^{2}-1)+(2^{2}-1)+(3^{2}-1)+(4^{2}-1)$$

$$-1+0+3+8+15$$

$$2+8+15$$

$$\sum_{n=0}^{4} f(n) = \boxed{25}$$

Name: Jordan Namer

Perm Number: 417 00 98

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.

$$(2th)^2 - (2th) + 2$$

h2 +34+4

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

$$\sum_{n=0}^{4} f(n) = \boxed{25}$$



Perimeter =

Name:

Christian Perez

Perm Number:

7987662

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.

777 2+h

2x2-2x+4+hx2-hx+2h

2x2-2x+4+h-x2-hx+2h

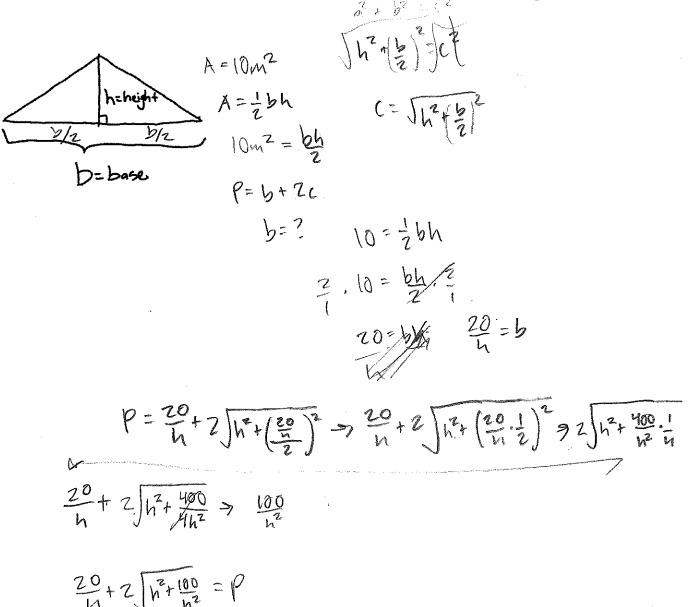
2) If $f(n) = n^2 - 1$, compute $\sum_{n=0}^{4} f(n)$.

$$(3^{2}-1)+(1^{2}-1)+(2^{2}-1)+(3^{2}-1)+(4^{2}-1)$$

 $-1+0+3+8+15$
 $2+8+15$

10+15 7

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



Perimeter =
$$\frac{20}{h} + 2 \int_{h^2}^{h^2} \frac{100}{h^2}$$

Name:

Andrew Loy

Perm Number: 4348439

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.

4-2

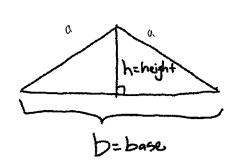
4+4hth2-12+1 + 1

12+54+4

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

$$(0^{2}-1)+(1^{2}-1)+(2^{2}-1)+(3^{2}-1)+(4^{2}-1)$$

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



$$h^2 + \left(\frac{b}{z}\right) = 0$$

$$h^2 + \left(\frac{20}{h}\right)^2 = 0$$

$$V_{5} + \left(\frac{N}{NO}\right) = V_{5}$$

$$\int_{N^{2}} \left(\frac{\mu O}{N} \right)^{2} = O$$

$$2\left(\sqrt{h^{2}+\left(\frac{40}{h}\right)^{2}}\right)+\frac{20}{h}$$

Perimeter =
$$2\left(\sqrt{h^2+\left(\frac{40}{h}\right)^2}\right)+\frac{20}{h}$$

Ricorde de la Capada Perm Number: Name:

849098-4

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.

$$(2+h)^{2}-(2+h)+2$$

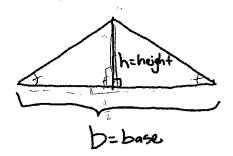
 $(2+h)(2+h)+(-(2+h)+2)$
 $(4+2h+2h+h^{2})-(2+h)+2$
 $h^{2}+4h+4-(2+h)+2$
 $h^{2}+3h+2+2$
 $h^{2}+3h+2+2$

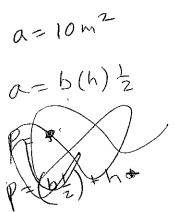
h2+3h++

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

$$h^{2}-1$$
 $n=0^{2}$
 $0^{2}-1$
 $0-1$
 $f(n)=-1$

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





Perimeter =

Name:

Ebony Negvete

Perm Number:

5705215

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.

$$2 = 2 + h$$

Ah

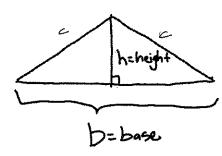
$$h^2 - h$$

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

$$(0^{2}-1)+(1^{2}-1)+(2^{2}-1)+(3^{2}-1)+(4^{2}-1)$$

-1+0+3+8+15
= 25

$$\sum_{n=0}^{4} f(n) = \boxed{25}$$



$$\frac{20}{h} \div 2$$

$$\frac{20}{h} \times \frac{1}{2} = \frac{20}{2h} = \frac{10}{h}$$

$$\frac{20}{h} \times \frac{1}{2} = \frac{20}{h} = \frac{10}{h}$$

$$P = \left(\frac{10h}{h} + 1h\right) + \frac{20}{h}$$

Perimeter =
$$2\left(\frac{\sqrt{10h}}{h} + \sqrt{h}\right) + \frac{20}{h}$$

Name:

Tonglin Wh

Perm Number:

5668660.

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.

$$\chi = 2$$

 $\chi_{2} = 2$
 $\chi_{2} = 4$
 $\chi_{2} = (2 + h)^{2} - (2 + h) + 2$
 $\chi_{2} = 4 + h^{2} + 4h - \chi - h + \chi$
 $\chi_{2} = 4 + h^{2} + 4h - \chi - h + \chi$
 $\chi_{2} = h^{2} + 3h + 4$
 $\chi_{2} = h^{2} + 3h + 4 - 4 = h^{2} + 3h$

$$h^2 + 3h$$

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

$$\frac{4}{n=0} n^{2}-1 = \frac{(-1)+(n-1)+1}{(n-1)+1}$$

$$= \frac{(0^{2}-1)+(1^{2}-1)+(2^{2}-1)+(3^{2}-1)+(4^{2}-1)}{(4^{2}-1)}$$

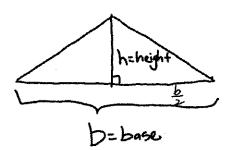
$$= -1+0+3+8+15$$

$$= -1+11+15$$

$$= 10+15$$

$$= 25$$

$$\sum_{n=0}^{4} f(n) = 2\mathfrak{S}$$



$$\frac{1}{2}bh = 10$$

$$bh = 20 \quad b = \frac{20}{h}$$

$$C = \frac{2\sqrt{h^2 + \frac{12}{2}}}{2\sqrt{h^2 + \frac{12}{h^2}}} + \frac{20}{h}$$

$$= 2\sqrt{h^2 + \frac{120}{h^2}} + \frac{20}{h}$$

$$= 2\sqrt{h^2 + \frac{120}{h^2}} + \frac{20}{h}$$

$$= 2\sqrt{h^2 + \frac{120}{h^2}} + \frac{20}{h}$$

$$= 2\sqrt{h^2 + \frac{120}{h^2}}$$

Perimeter =
$$2\sqrt{h^{2} + \frac{100}{h^{2}}} + \frac{20}{h}$$

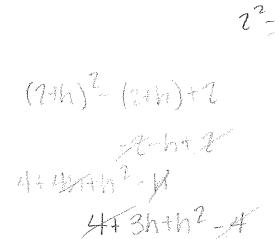
Name:

gerenia Gil

Perm Number:

5005403

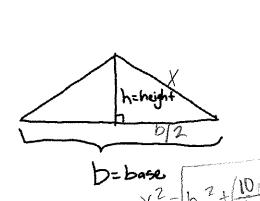
1) If x is increased from 2 to 2 + h, how much does $x^2 - x + 2$ increase? Your final answer should be in terms of h.



3h + h 7

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

$$\sum_{n=0}^{4} f(n) = \boxed{25}$$



Express the perimeter in terms of the height.

$$A = \frac{10m^2}{A}$$

$$A = \frac{bh}{2}$$

$$P = 2\left(h^2 + \frac{20}{h}\right)$$

$$A - \frac{bh}{t}$$

$$\frac{20m^2}{2m} = \frac{10m^2}{n}$$