

Today is Thursday. Tomorrow is Friday. Yesterday was Wednesday. There was total lunar eclipse last night, and I was out there taking pictures. I took about 50 photos and I had a midterm today. I didn't study for it, but I survived. Yay!!!

Yahoo!!!

February 21, 2008

Tomorrow we will have a quiz in recitation.

We know 100% of LaTeX today!!!

“function”

Combinatorial Proof

Let x be a natural number. Then $2x + 1$ is odd.

$$1 + 2 + 3 + 4 + 5 + 6 = 21$$

(2)

$$k \binom{n}{2} = m \binom{n+k}{k}$$

$$2 \cdot 2 = 4$$

$$\frac{13!}{5!8!}$$

$x^2 - 2x + 1 = 0$ Let x_1 and x_2 be the roots of this polynomial.

$$1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2} \quad a | b$$

First	Last	Points
Ant	Bat	10
May	June	7

$$\frac{n(n+1)}{2} + (n+1) = \frac{n(n+1) + 2(n+1)}{2} \tag{1}$$

$$= \frac{(n+1)[n+2]}{2} \tag{2}$$

$$\sum_{i=1}^{n+1} i = \frac{(n+1)(n+2)}{2}. \tag{3}$$

$$\frac{n(n+1)}{2} + (n+1) = \frac{n(n+1) + 2(n+1)}{2}$$

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$$\sum_{i=1}^{n+1} i = \frac{(n+1)(n+2)}{2}.$$

This is page 1.

1. Determine whether the following relations...

(a) \neq on \mathbb{Z} .

(b) \subseteq on 2^A , where A is any nonempty set.

(c) A relation R on \mathbb{R} ; $x R y$ iff $xy \leq 0$.

2.

3.

4.

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This is page 2.

$$\left(\frac{(n+1)}{2}\right)^3$$

$[0, \infty)$

$$f(x) = \begin{cases} \frac{x}{2} & \text{if } x \text{ is even} \\ 3x + 1 & \text{if } x \text{ is odd.} \end{cases}$$

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$\{x : x \in \mathbb{Z}\} x R y$