

Problem Set #N Solutions

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1. (a) Math content goes in dollar signs, as in $2 + 2 = 4$ or $2^{2^2} = 16$. We can write fractions as $\frac{x+y}{w^2}$.
(b) More involved statements can be presented in an alternate math mode, like so

$$\Pr[X(t) > (1 + \epsilon)\mu | X = v] \leq \exp\left(\frac{\epsilon^2 \mu}{1 + \epsilon}\right)$$

Here, $\Pr[\dots]$ is a macro. Some more things you might use: $\log_b(n)$, $\min_x f(x)$, $\max_x f(x)$, $\{a_1, \dots, a_k\}$, $\sqrt{x^2 + y^2}$, $\sum_{x=1}^{\infty} \frac{1}{x^2}$, $\lim_{n \rightarrow \infty} f(n)$, \geq , \leq , \neq

2. (a)
(b)
3. (a)
(b)
4. (a)
(b)
5. (a)
(b)