A big title

me

September 24, 2003

BOLD *Italic* boxed `typewriter`

1. first item

2. second item

1 a section

text text text text text text text text text text text text text text text text
text text text text text text text text text text text text text text text text
text text text
   new paragraph with math $f(x) = 3x^2 + \frac{\sin(x)}{y_1^{2\alpha}}$.

$$\int_a^b f(x)dx = \sum_{i=3}^{2n-2} \hat{f}(3x) = \begin{cases} 3 & x = 2 \\ 0 & \text{otherwise} \end{cases}$$

blah

$$\left[\begin{array}{cc|c} 1 & 2 & 3 \\ 4 & \epsilon & 5 \end{array} \right] \begin{bmatrix} 1 & 2 & 3 \\ 4 & \epsilon & 5 \\ 4 & \epsilon & \begin{pmatrix} 5 & 6 \\ 7 & 8 \end{pmatrix} \end{bmatrix} \tag{1}$$

I like referring to (1).

$$\mathbf{v}_3(x,y) = \left\{ \left(d_i^1, \mathbf{x}_i^1(x), \mathbf{y}_i^1(y) \right) \right\}_{i=1}^{r_1} \cup \left\{ \left(d_j^2, \mathbf{x}_j^2(x), \mathbf{y}_j^2(y) \right) \right\}_{j=1}^{r_2} \tag{2}$$
$$= \left\{ \left(d_k^3, \mathbf{x}_k^3(x), \mathbf{y}_k^3(y) \right) \right\}_{k=1}^{r_3}. \tag{3}$$