

Physics 6720 – L^AT_EX First Exercise November 8, 2004

Reproduce the following equations:

$$\tan(\theta) = \mu/a \tag{1}$$

$$\alpha = \sqrt{\beta^2 + \Lambda^2} \tag{2}$$

$$w = y_2 x_{15} + z_1^{2/3} \tag{3}$$

$$\sigma^2 = \sum_{i=1}^N (x_i - \bar{x})^2 \tag{4}$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \tag{5}$$

$$z = \lim_{y \rightarrow \infty} f(y) \tag{6}$$

Notes:

1. Equation (4): Use `\bar{x}` to get \bar{x} .
2. Equation (5): Use `\pm` to get the \pm .