

1.

$$= \sqrt{\frac{\sum_{i=1}^n (i - \bar{x})^2}{v}} = \sqrt{\frac{\sum_{i=1}^n f_i (i - \bar{x})^2}{v}} = \sqrt{\frac{\sum_{i=1}^n f_i i^2}{v} - \bar{x}^2}, \quad = \sum_{i=1}^n f_i$$

2. μ

$$\mu(\pm) = \mu \pm \mu, \quad (\pm) = \mp \mu \mu$$

$$2\mu = \mu(-) + \mu(+), \quad 2 = (-) + (+)$$

$$2\mu\mu = (-) - (+), \quad \mu^2 = 2\mu \cdot, \quad 2 = \mu^2 - \mu^2$$

$$\mu^2 = \frac{1 - \mu^2}{2}, \quad \mu^2 = \frac{1 + \mu^2}{2}$$

$$\mu^2 = \frac{2t}{1+t^2}, \quad \mu^2 = \frac{1-t^2}{1+t^2}, \quad t =$$

$$\mu + \mu = 2\mu \frac{+}{2} - \frac{-}{2}, \quad \mu - \mu = 2\mu \frac{-}{2} - \frac{+}{2}$$

$$+ = 2 \frac{+}{2} - \frac{-}{2}, \quad - = 2\mu \frac{-}{2} - \mu \frac{+}{2}$$

μ :

	μ	
$\mu = \mu$	$= 360^\circ +$ $= 360^\circ + 180^\circ - , \in$	$= 2 +$ $= 2 + - , \in$
$=$	$= 360^\circ \pm , \in$	$= 2 \pm , \in$
$=$	$= 180^\circ + , \in$	$= + , \in$

3. μ

μ	$= \cdot$	$V = E \cdot$
μ	$E = \frac{1}{2} \cdot h$	$V = \frac{E \cdot}{3}$
	$= 2 R$	$V = R^2$
	$E = R$	$V = \frac{R^2}{3}$
	$E = (R +)$	$V = \frac{1}{3}(R^2 + R + ^2)$

4. μ

$$\mu \quad (x_1, y_1) \quad (x_2, y_2): d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$\mu \quad (x_1, y_1) \quad Ax + By + C = 0: d = \frac{|Ax_1 + By_1 + C|}{\sqrt{A^2 + B^2}}$$

$$: \frac{x^2}{2} + \frac{y^2}{2} = 1, \quad = \sqrt{x^2 - y^2}, \quad > \quad : (\pm, 0), \quad : = \pm,$$

$$: = -$$

5.

$$(u \cdot v)' = u' \cdot v + u \cdot v', \quad \left(\frac{u}{v}\right)' = \frac{u' \cdot v - u \cdot v'}{v^2}, \quad \frac{d}{d} = \frac{d}{du} \cdot \frac{du}{d}$$

$$(\mu)' = , \quad ()' = -\mu, \quad ()' = \mu^2, \quad (\ln)' = \frac{1}{}$$

6. μ

$$\int \mu d = \ln | \mu + | + c \quad \int \mu d = \ln \left| \frac{1}{2} \right| + c$$

$$\int \frac{d}{\sqrt{x^2 - 2}} = \mu - + c \quad \int \frac{d}{x^2 + 2} = \frac{1}{2} - + c$$

7. $T = \frac{K \cdot E \cdot X}{100}$