

# ENGINEERING MATHEMATICS

## STUDY NOTES

$$\pi/4 = 1/1 - 1/3 + 1/5 - 1/7 + \dots$$

$$\text{CONE} = (1/3) \pi R^2 H$$

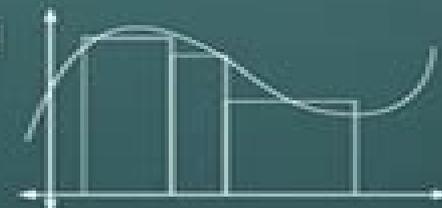
$$1. \quad |-A| = |A|$$

$$2. \quad |A| \geq 0$$

$$(N 2188 - (N 1181) - (N 282)$$

$$\text{GAMMA} = - \int_{\infty}^0 E^{-X} \ln X \, DX$$

$$|-23| + |4|$$



$$\begin{aligned} -(X-2) &= 9 \\ -X-2 &= 9 \\ -X &= 11 \\ X &= -11 \end{aligned}$$

### ABSOLUTE VALUE

$$(4/3) \pi R_1 R_2 R_3$$

$$\text{PYRAMID} = (1/3) B H$$

$$4 \times \pi \times R^2$$

$$A+B = C$$



$$L=50,000$$

$$99 = \text{XCIX}$$



$$\text{GAMMA}(X+1) = X \text{ GAMMA}(X)$$

$$|A - B| \geq |A| - |B|$$

$$B = A (1 - R/N) \text{NT} - P$$

$$(1/2) D10Z$$

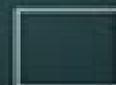
$$P = C E R T$$

$$V=5,000$$

$$\text{GAMMA}(X) = R X (\int_{\infty}^0 E^{-RT} T^{(X-1)} DT)$$

$$1. \quad |-A| = |A|$$

$$P = C (1 + R) T$$



# Applied Mathematics 1 Diploma Engineering Notes

**Ying-Ying Zheng**



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