

Updates on the Book

1. Functions Notes, Section 2

Absolute sign and the corresponding transformations:

$$1. \quad |x| = \begin{cases} x & \text{if } x \geq 0 \\ -x & \text{if } x < 0 \end{cases} : \text{Absolute function}$$

2. Geometry and Trigonometry Notes, Exercise 3.2

$$(c) \quad (iii) \quad \cos(A - B) = \frac{-\sqrt{8} + \sqrt{3}}{6}.$$

3. Geometry and Trigonometry Notes, Example 3.10

The plane Π contains $\begin{pmatrix} 0 \\ -9 \\ -6 \end{pmatrix}$ and $\begin{pmatrix} 3 \\ 7 \\ 7 \end{pmatrix}$, and passes through the point $(-2, 5, 1)$.