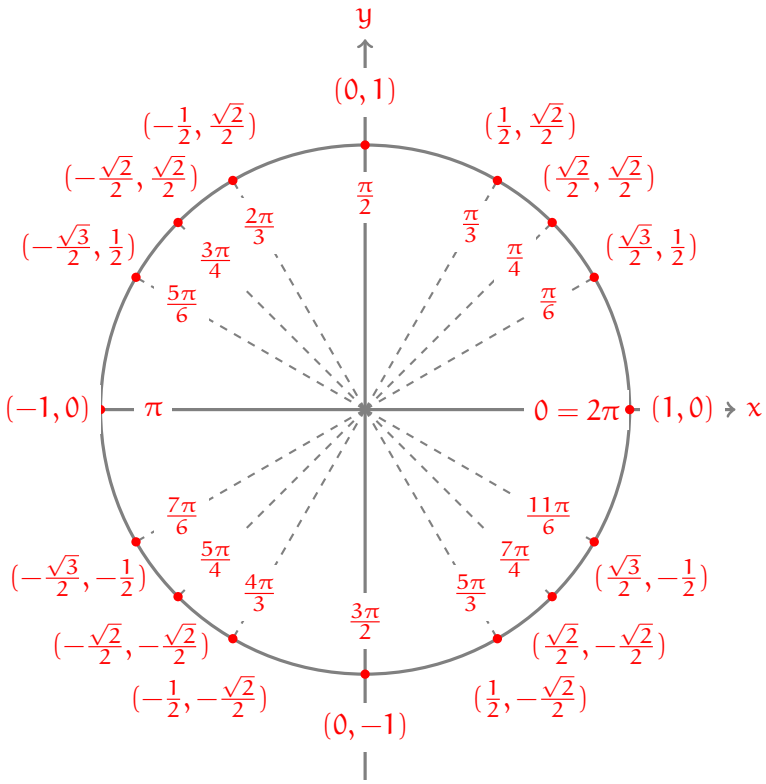
Math 245 – Formula Sheet. PLEASE DO NOT WRITE ON THIS SHEET.



$$\int u\,dv = uv - \int v\,du \text{ or } \int uv'\,dt = uv - \int vu'\,dt$$

$$\ln(A) + \ln(B) = \ln(AB) \qquad \ln(A) - \ln(B) = \ln\left(\frac{A}{B}\right)$$

$$c\ln(A) = \ln\left(A^c\right)$$

$$ax^2 + bx + c = 0 \implies x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$