MATH 107 FORMULA SHEET

$$A = Pe^{rt}$$

$$A = P(1 + \tfrac{r}{n})^{nt}$$

$$\sin(\alpha \pm \beta) = \sin\alpha\cos\beta \pm \cos\alpha\sin\beta$$

$$\cos(\alpha \pm \beta) = \cos\alpha\cos\beta \mp \sin\alpha\sin\beta$$

$$s = r\theta$$

$$S_n = \tfrac{n}{2}(a_1 + a_n)$$

$$S_n = a_1 \cdot \tfrac{1-r^n}{1-r}$$