Physics 2210 - Exam Two Formulae and Constants

$$\begin{bmatrix} \sin(0) = \frac{\text{opp}}{\text{hyp}} & \cos(0) = \frac{\text{adj}}{\text{hyp}} & \tan(0) = \frac{\text{opp}}{\text{adj}} \\ \hline r = \sqrt{x^2 + y^2 + z^2} & \overline{A} \cdot \overline{B} = A_s B_s + A_s B_y + A_s B_z \\ \overline{A} \cdot \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \sin(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \sin(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \sin(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \sin(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \sin(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{A}| |\overline{B}| \cos(\theta) \\ \hline | \overline{A} \times \overline{B} = |\overline{$$