$$(1-2^{\frac{1}{2}}) p^{11}(2) - 2z p^{1}(2) + l(l+1) p(2) = 0$$

$$\frac{1}{2} = \cos\theta$$

$$\frac{1}{\cos^{2}(\theta)} = \sin^{2}\theta$$

$$(1-\cos^{2}(\theta)) = \sin^{2}\theta$$

$$\frac{1}{\sin^{2}\theta} = \frac{1}{\sin^{2}\theta} =$$