$$\sin^2 x + \cos^2 x = 1 \tag{1}$$

$$\tan^2 x + 1 = \sec^2 x \tag{2}$$

$$\cos^2\left(\frac{\theta}{2}\right) = \frac{1 + \cos\theta}{2} \tag{3}$$

$$\begin{cases} x + 2y - z & = & 0 \\ 2x - 3y + 5z & = & 3 \\ -3y + 2z & = & -8 \end{cases}$$

$$\begin{vmatrix} 7 & 1 \\ 5 & 10 \end{vmatrix} = 7 \times 10 - 1 \times 5 = 65$$

$$A = \begin{bmatrix} 2 & 3 \\ 1 & -4 \end{bmatrix} \Rightarrow det(A) = 2 \cdot (-4) - 3 \cdot 1 = 11$$

p	$!p$
1	0
0	1

$$\begin{aligned} \frac{d}{dx}(x^2 y) & = & x^2 \cdot \frac{d}{dx} + y \cdot \frac{d}{dx}(x^2) \\ & = & x^2 \frac{d}{dx} + 2xy \end{aligned}$$

1