



|                                                                                                                                                                                                                                                                                                                          |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| $\sin \frac{\pi}{r} + \cos \frac{\pi}{r}$ $\frac{\sqrt{r}}{r} + 1 = \frac{\sqrt{r+1}}{r}$ $r \left( \frac{\sqrt{r+1}}{r} \right)^r - \frac{r}{r} \left( \frac{\sqrt{r+1}}{r} \right)$ $\hookrightarrow r \left( \frac{r+r+1\sqrt{r}}{r^r} \right) \cdot \frac{r+1\sqrt{r}-1\sqrt{r}-1}{r} = \left[ \frac{-1}{r} \right]$ | 6  |
| $\frac{a+1}{a-1} + 1 = \frac{a+1}{a-1}$ $\frac{a+1}{a-1} - 1 = \frac{a}{a-1}$ $f(f(a)) = a$ $\frac{a+1+a-1}{a-1} = 2$ $\frac{2a}{a-1} = 2$ $2a = 2(a-1)$ $2a = 2a - 2$ $0 = -2$ <p>اسی نام معادری ہے؛ مکرر راستہ<br/> <math>\in \mathbb{R} - \{1\}</math></p>                                                            | 7  |
| $x^r - rx + r = 0 \quad (x-r)^r = 0 \quad x=r \rightarrow g(x) = r$ $\sqrt{x^r - 1} = r$ $x^r - 1 = r^2$ $x^r = \omega$ $x = \pm \sqrt{\omega} \quad a = \pm \sqrt{\omega}$                                                                                                                                              | 8  |
| $x+r = r \quad x=1 \rightarrow f(r) = 1 - \omega + 4 = r$ $x+r = -r \quad x=-4 \rightarrow f(-r) = 34 + 30 + 4 = 68$ $68 \times r = 144$                                                                                                                                                                                 | 9  |
| $r \cos^r x + \omega \cos x - \frac{v}{r} = 0$ $\cos^r x + \omega \cos x - 14 = 0$ $(\cos x + v)(\cos x - r)$ $\hookrightarrow \frac{v}{r} = \frac{v}{r} \quad \hookrightarrow \frac{r}{r} = \frac{1}{r}$ $\sin x = \frac{\sqrt{r}}{r} \quad \tan x = \sqrt{r}$ $\tan^r x = r$                                           | 10 |