

$1) r \sin x - 1 \geq 0 \Rightarrow r \sin x \geq 1 \Rightarrow \sin x \geq \frac{1}{r} \quad : D_f = \left[rk\pi + \frac{\pi}{4}, rk\pi + \frac{5\pi}{4} \right]$	6
$2) \cos x - 1 \geq 0 \Rightarrow \cos x \geq 1 \Rightarrow D_f = \{rk\pi\}$	
$1) \cos y = z - r \quad \cos y \in [-1, 1] \quad -1 \leq z - r \leq 1 \Rightarrow r \leq z \leq r+1 \Rightarrow D_f = [-r, -r] \cup [r, r]$	7
$2) y = \arcsin(z^r + rz + 1) \Rightarrow -1 \leq z^r + rz + 1 \leq 1 \Rightarrow z^r + rz + 1 \leq 1 \Rightarrow z^r + rz \leq 0 \Rightarrow z(z+r) \leq 0 \quad (1)$ $z^r + rz + 1 \geq -1 \Rightarrow z^r + rz + r \geq 0 \Rightarrow (z+r)(z+1) \geq 0 \quad (2)$	
$1) r - \log_r(z-r) \geq 0 \Rightarrow \log_r(z-r) \leq r \Rightarrow z-r \leq r \Rightarrow z \leq 11 \Rightarrow D_f = (r, 11]$ $\downarrow$ $z-r > 0 \Rightarrow z > r$	(1) $\cap$ (2)
$2) z^r - z > 0 \Rightarrow z(z^{r-1} - 1) > 0 \Rightarrow z(z-1)(z+1) > 0$ $D_f = (-1, 0) \cup (1, +\infty)$	$D_f = [-r, -r] \cup [-1, 0]$
$1) r^2 + 1 \neq 0 \Rightarrow r^2 \neq -1 \Rightarrow D_f = \mathbb{R}$ $\frac{r^2}{r^2+1}$	$2) r^2 - r \neq 0 \Rightarrow r^2 \neq r \Rightarrow$ $D_f = \mathbb{R} - \{\log_r r\}$
$2) r^2 - 1 \neq 0 \Rightarrow r^2 \neq 1$ $D_f = \mathbb{R} - \{0\}$	$1) r^2 - r \neq 0 \Rightarrow r^2 \neq r$ $D_f = \mathbb{R} - \{\log_r r\}$
$1) (rx+1)! \Rightarrow rx+1 \in \mathbb{W} \Rightarrow rx \in \mathbb{W}-1 \Rightarrow x \in \frac{\mathbb{W}-1}{r} \Rightarrow D_f = \{x x = \frac{k-1}{r}, k \in \mathbb{W}\}$	10
$2) \left(\frac{r_x-r}{r_{x-a}}\right)! \Rightarrow \frac{r_x-r}{r_{x-a}} \in \mathbb{W} \Rightarrow r_x-r = r_{x-a} - a\mathbb{W} \Rightarrow$ $r_x - r_{x-a} = r - a\mathbb{W} \Rightarrow x = \frac{r-a\mathbb{W}}{r-r_{x-a}} \Rightarrow$	

$$D_f = \left\{ x | x = \frac{r-a\mathbb{W}}{r-r_{x-a}}, k \in \mathbb{W} \right\}$$