$y=\sqrt{\frac{2-x}{x+5}}$	$\frac{2-x}{x+5}\geq 0 \Rightarrow sig\left(\frac{2-x}{x+5}\right)$ $-$ -5 $+$ 2 $-$ $x=3$ $\frac{-}{+}$ $Df=(-5,2]$
$y=\frac{3x+9}{x^3-25x}$	$x^3-25x=0 \Rightarrow x(x^2-25)=0 \Rightarrow x=0\ ;\ x=\pm 5$ $Df=\mathbb{R}-\{-5,0,5\}$
$y=\sqrt{x^3+2x^2+x}$	$x^3+2x^2+x=0 \Rightarrow x(x^2+2x+1)=0 \Rightarrow x(x+1)^2=0$ $\boxed{sig\ x(x+1)^2}$ $-$ -1 doble $-$ 0 $+$ $Df=[0,\infty)\cup\{-1\}$
$y=\sqrt{\frac{25-x^2}{x+1}}$	$\frac{25-x^2}{x+1}\geq 0 \Rightarrow \boxed{sig\frac{(5-x)(5+x)}{x+1}}$ $+$ -5 $-$ -1 $+$ 5 $-$ $x=6$ $\frac{-\cdot+}{+}=-$ $Df=(-\infty,-5]\cup(-1,5]$
$y=\frac{2\sqrt{x+1}}{x^2-1}$	$\sqrt{}$: $x+1\geq 0 \Rightarrow x\geq -1 \Rightarrow D\sqrt{}=[-1,\infty)$ D: $x^2-1=0 \Rightarrow x=\pm 1$ quitamos $Df=(-1,1)\cup(1,\infty)$
$y=L(x^2-1)$	$x^2-1>0 \Rightarrow \boxed{sig\ (x-1)(x+1)}$ $+$ -1 $-$ 1 $+$ $Df=(-\infty,-1)\cup(1,+\infty)$ $x=2$ $+\cdot+$
$y=\frac{2x-3}{\sqrt{-x^2+3x-2}}$	$-x^2+3x-2\geq 0 \Rightarrow$ ⚠ Cambio signo $x^2-3x+2\leq 0$ $\boxed{sig\ (x-2)(x-1)}$ $+$ 1 $-$ 2 $+$ $Df=(1,2)$
$y=\frac{\sqrt{2-x^2}}{\sqrt{1-x}}$	Independientes $D\sqrt{1} \Rightarrow 2-x^2\geq 0 \Rightarrow (\sqrt{2}-x)(\sqrt{2}+x)\geq 0$ $-$ $-\sqrt{2}$ $+$ $\sqrt{2}$ $-$ $D\sqrt{1}=[-\sqrt{2},\sqrt{2}]$ $D\sqrt{2} \Rightarrow 1-x>0 \Rightarrow D\sqrt{2}=(-\infty,1)$ $D\sqrt{1}\cap D\sqrt{2}=[-\sqrt{2},1)$
$f(x)=\frac{\sqrt{x-1}}{x+2}$	$\sqrt{}$: $x-1\geq 0 \Rightarrow x\geq 1 \Rightarrow D\sqrt{}=[1,\infty)$ D: $x+2=0 \Rightarrow x=-2$ quitamos (ya está quitado) $Df=[1,\infty)$
$f(x)=\frac{\sqrt{x}-2}{16-x^2}$	$\sqrt{}$: $x\geq 0 \Rightarrow D\sqrt{}=[0,\infty)$ D: $16-x^2=0 \Rightarrow x=\pm 4$ quitar $Df=[0,4)\cup(4,\infty)$
$f(x)=\frac{3-\sqrt{x-2}}{x^2-25}$	$\sqrt{}$: $x-2\geq 0 \Rightarrow x\geq 2 \Rightarrow D\sqrt{}=[2,\infty)$ D: $x^2-25=0 \Rightarrow x=\pm 5$ quitamos $Df(x)=[2,5)\cup(5,\infty)$

$y=\sqrt{x^2-x}.\sqrt{2-x}$	$D\sqrt{1} \Rightarrow x(x-1)\geq 0$ $+ \quad 0 \quad - \quad 1 \quad +$ $D\sqrt{1}=(-\infty,0]\cup[1,\infty)$ $D\sqrt{2} \Rightarrow 2-x\geq 0 \Rightarrow 2\geq x \Rightarrow D\sqrt{2}=(-\infty,2]$ $Df=D\sqrt{1}\cap D\sqrt{2}=(-\infty,0]\cup[1,2]$
$y=\dfrac{x+3}{\sqrt{x}-3}$	$\sqrt{}$: $x\geq 0 \Rightarrow D\sqrt{}=[0,+\infty)$ D: $\sqrt{x}-3=0 \Rightarrow \sqrt{x}=3 \Rightarrow x=9$ quitar $Df=[0,9)\cup(9,+\infty)$
$y=e^{\frac{1}{x-1}}$	$Df=\mathbb{R}-\{1\}$
$y=\dfrac{L(2-x)}{x+1}$	L: $2-x>0 \Rightarrow 2>x \Rightarrow DL=(-\infty,2)$ D: $x+1=0 \Rightarrow x=-1$ quitarlo $Df=(-\infty,-1)\cup(-1,2)$
$y=\dfrac{3\sqrt{x^2-4}}{x^2+9}$	$\sqrt{}$: $x^2-4\geq 0$ $\boxed{\text{Sig } (x-2)(x+2)}$ $+ \quad -2 \quad - \quad 2 \quad +$ D: $x^2+9=0 \Rightarrow x^2=-9$ no sol. $Df=(-\infty,-2]\cup[2,\infty)$
$y=L\left(\dfrac{x+1}{3-x}\right)$	$\dfrac{x+1}{3-x}>0 \Rightarrow \boxed{\text{Sig } \dfrac{x+1}{3-x}}$ $- \quad -1 \quad + \quad 3 \quad -$ $Df=(-1,3)$
$y=\dfrac{2x}{2\sqrt{x^2-16}}$	$\Rightarrow x^2-16>0 \Rightarrow (x-4)(x+4)$ $+ \quad -4 \quad - \quad 4 \quad +$ $Df=(-\infty,-4)\cup(4,\infty)$
$y=\sqrt{\dfrac{x^3+5x^2}{x-1}}$	$\dfrac{x^3+5x^2}{x-1}\geq 0 \Rightarrow \boxed{\text{Sig } \dfrac{x^2(x+5)}{x-1}}$ $+ \quad -5 \quad - \quad -1 \quad + \quad 0 \quad +$ (0 doble) $Df=(-\infty,-5]\cup(-1,+\infty)$
$f(x)=\sqrt{x^2-5x}+\sqrt{x}$	$D\sqrt{1} \Rightarrow x^2-5x\geq 0 \Rightarrow x(x-5)\geq 0$ $+ \quad 0 \quad - \quad 5 \quad +$ $D\sqrt{1}=(-\infty,0]\cup[5,+\infty)$ $D\sqrt{2} \Rightarrow x\geq 0 \Rightarrow D\sqrt{2}=[0,\infty)$ $Df=D\sqrt{1}\cap D\sqrt{2}=[5,\infty)$
$f(x)=\dfrac{3\sqrt{x+5}-2}{5-x}$	$\sqrt{}$: $x+5\geq 0 \Rightarrow x\geq -5$ $D\sqrt{}=[-5,+\infty)$ D: $5-x=0 \Rightarrow x=5$ quitamos $Df=[-5,5)\cup(5,+\infty)$
$f(x)=\dfrac{3-\sqrt{x}}{x^2-2x}$	$\sqrt{}$: $x\geq 0 \Rightarrow D\sqrt{}=[0,+\infty)$ D: $x^2-2x=0 \Rightarrow x(x-2)=0 \Rightarrow x=0, x=2$ $Df(x)=(0,2)\cup(2,+\infty)$