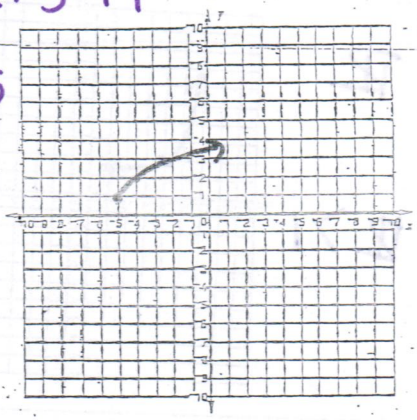
Key Wkst #6

Find the equations for each graph then domain & range.

$y=\sqrt{x+5}+1$

D: $\mathbb{R} \geq -5$

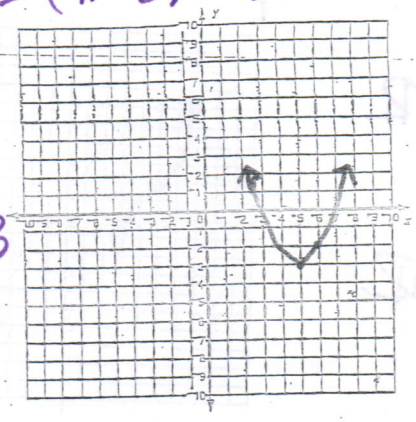
R: $\mathbb{R} \geq 1$



$y=(x-5)^2-3$

D: $\mathbb{R}$

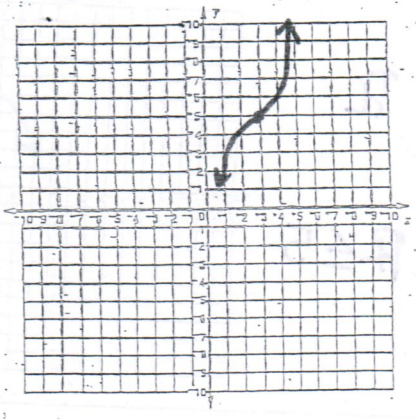
R: $\mathbb{R} \geq -3$



$y=(x-3)^3+5$

D: $\mathbb{R}$

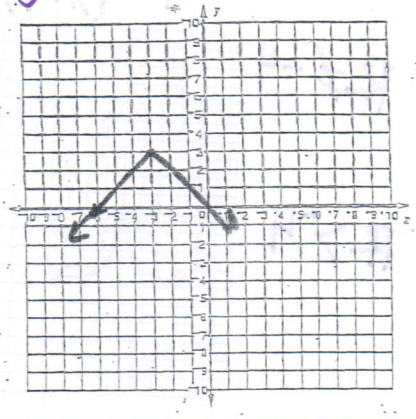
R: $\mathbb{R}$



$y=-|x+3|+3$

D: $\mathbb{R}$

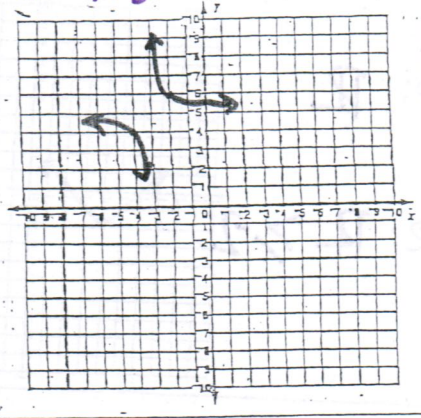
R: $\mathbb{R} \leq 3$



$y=\frac{1}{x+3}+5$

D: $\mathbb{R} \neq -3$

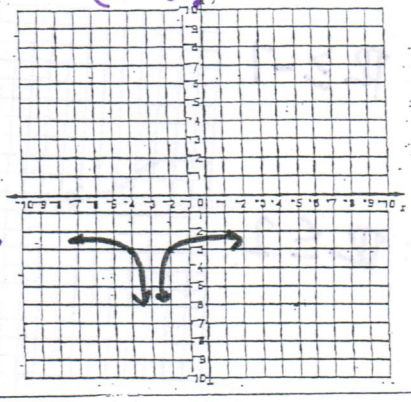
R: $\mathbb{R} \neq 5$



$y=\frac{-1}{(x+3)^2}-2$

D: $\mathbb{R} \neq -3$

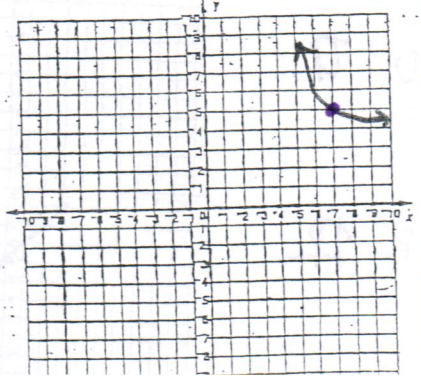
R: $\mathbb{R} < -2$



$y=\left(\frac{1}{2}\right)^{x-7}+4$

D: $\mathbb{R}$

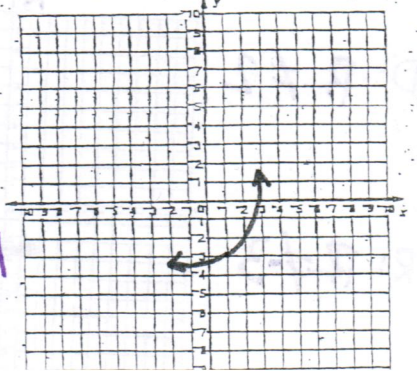
R: $\mathbb{R} > 4$



$y=(2)^{x-1}-4$

D: $\mathbb{R}$

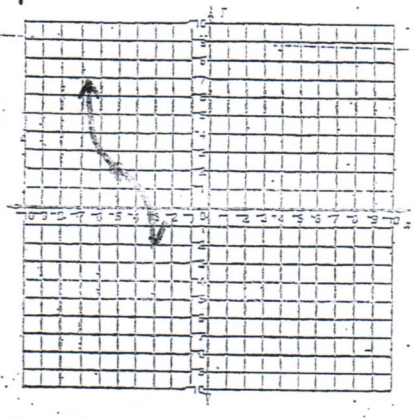
R: $\mathbb{R} > -4$



$y = -(x+5)^3 + 2$

D: $\mathbb{R}$

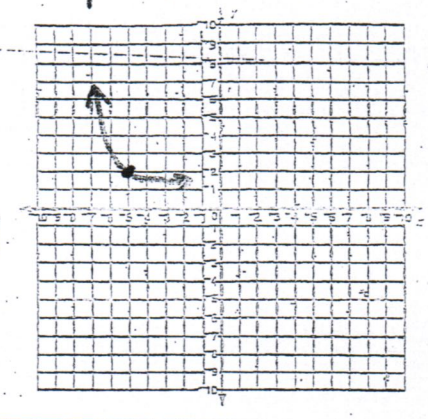
R: $\mathbb{R}$



$y = \left(\frac{1}{2}\right)^{x+5} + 1$

D: $\mathbb{R}$

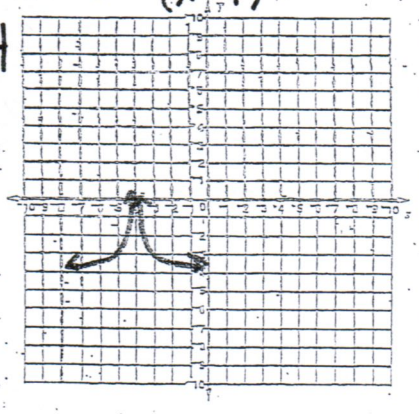
R: $\mathbb{R} > 1$



$y = \frac{1}{(x+4)^2} - 4$

D: $\mathbb{R} \neq -4$

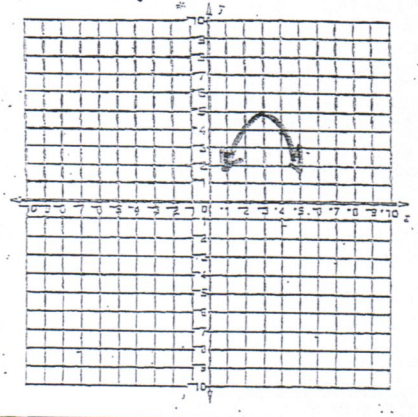
R: $\mathbb{R} > -4$



$y = -(x-3)^2 + 5$

D: $\mathbb{R}$

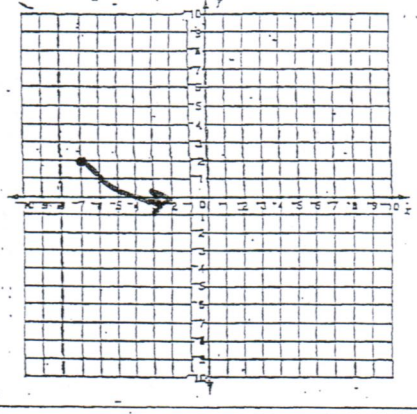
R: $\mathbb{R} \leq 5$



$y = -\sqrt{x+7} + 2$

D: $\mathbb{R} \geq -7$

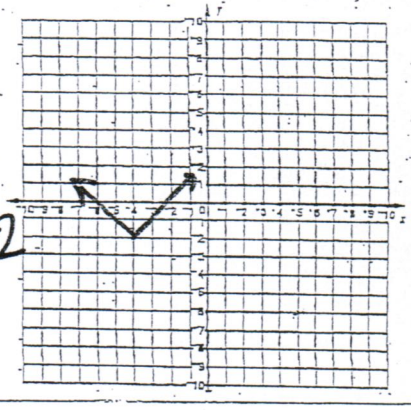
R: $\mathbb{R} \leq 2$



$y = |x+4| - 2$

D: $\mathbb{R}$

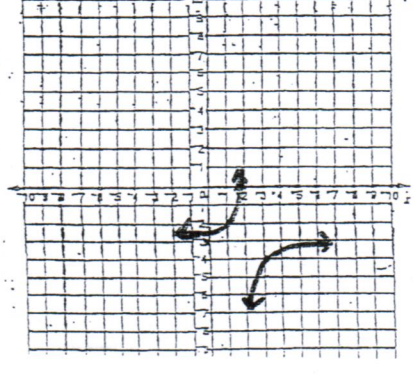
R: $\mathbb{R} \geq -2$



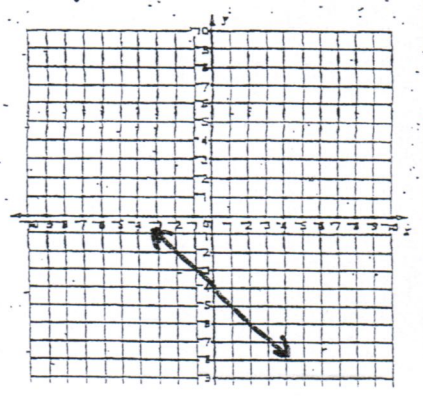
$y = \frac{-1}{x-2} - 3$

D: $\mathbb{R} \neq 2$

R: $\mathbb{R} \neq -3$



$y = -x - 4$

D: $\mathbb{R}$

R: $\mathbb{R}$