

Domain: x-values

Range: y-values

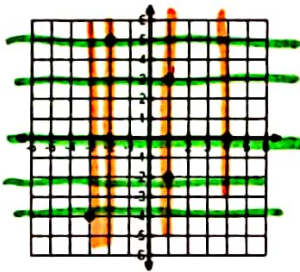
Domain and Range Notes

NAME: _____

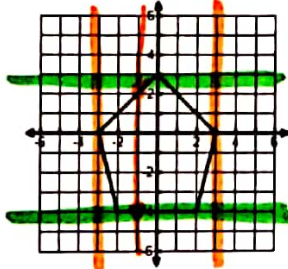
State the domain and range for each graph and then tell if the graph is a function (write yes or no).

If the graph fails the vertical line test, it is not a function.

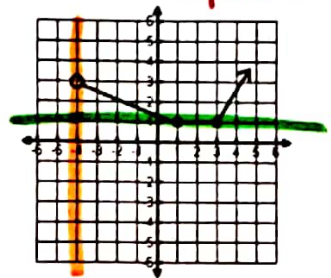
1) Domain $\{-3, -2, 1, 4\}$
Range $\{-4, -2, 0, 3, 5\}$
Function? NO



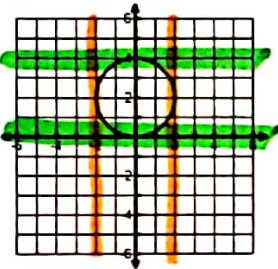
2) Domain $-3 \leq x \leq 3$
Range $-4 \leq y \leq 3$
Function? NO



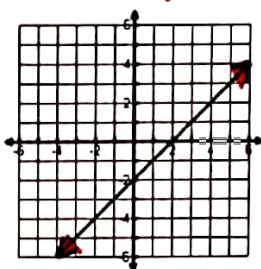
3) Domain $-4 < x < \infty, x \geq -4$
Range $1 \leq y < \infty, y \geq 1$
Function? YES



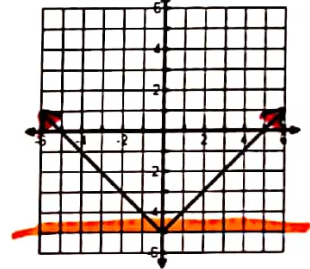
4) Domain $-2 \leq x \leq 2$
Range $0 \leq y \leq 4$
Function? NO



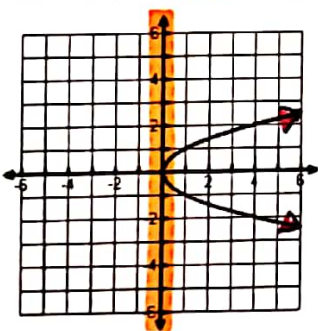
5) Domain $-\infty < x < \infty \mathbb{R}$
Range $-\infty < y < \infty \mathbb{R}$
Function? YES



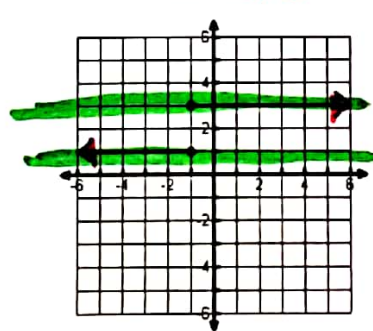
6) Domain $-\infty < x < \infty$
Range $-5 \leq y < \infty, y \geq -5$
Function? YES



7) Domain $0 \leq x < \infty, x \geq 0$
Range $-\infty < y < \infty \mathbb{R}$
Function? NO



8) Domain $-\infty < x < \infty \mathbb{R}$
Range $\{1, 3\}$
Function? NO



9) Domain $-\infty < x < 2$
Range $-2 \leq y < \infty$
Function? YES

