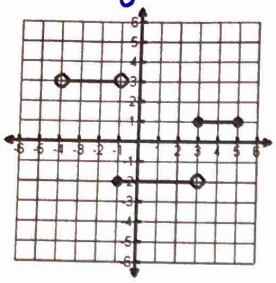
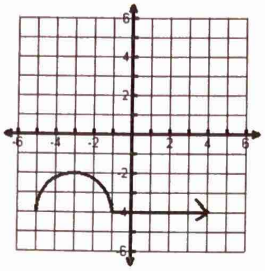
Day 02 Domain and Range Practice #2 Name: Master 6

1-12: State the domain & range for each graph and tell if the graph is a function (write yes or no).

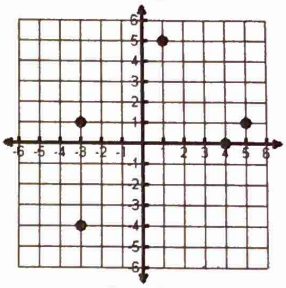
1) Domain $(-4,5]$ $-4<x\leq 5$
Range $\{-2,1,3\}$
Function? yes



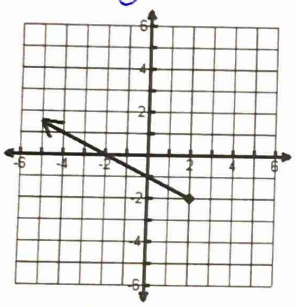
2) Domain $[-4,\infty)$ $x\geq -4$
Range $[-4,-2]$ $-4\leq y\leq -2$
Function? yes



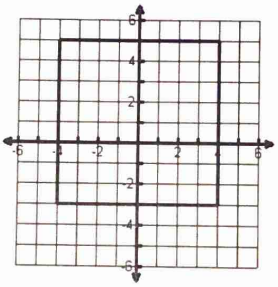
3) Domain $\{-3,1,4,5\}$
Range $\{-4,0,1,5\}$
Function? yes



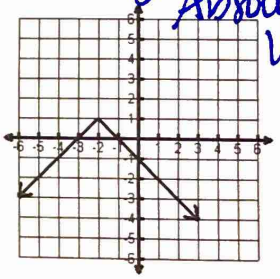
4) Domain $(-\infty,2]$ $x\leq 2$
Range $[-2,\infty)$ $y\geq -2$
Function? yes



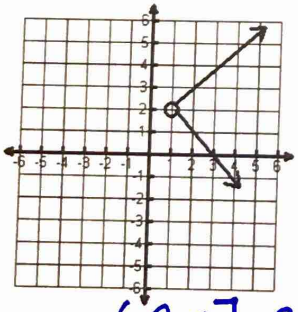
5) Domain $[-4,4]$ $-4\leq x\leq 4$
Range $[-3,5]$ $-3\leq y\leq 5$
Function? NO



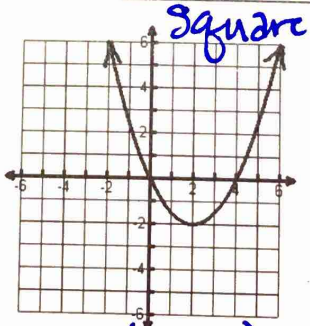
6) Domain $(-\infty,\infty)$ $\mathbb{R}$
Range $(-\infty,1]$ $y\leq 1$
Function? yes
Absolute Value



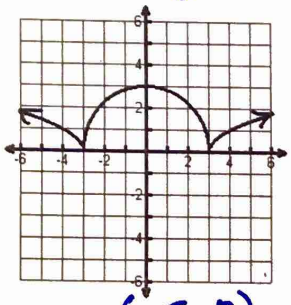
7) Domain $(1,\infty)$ $x>1$
Range $(-\infty,\infty)$ $\mathbb{R}$
Function? NO



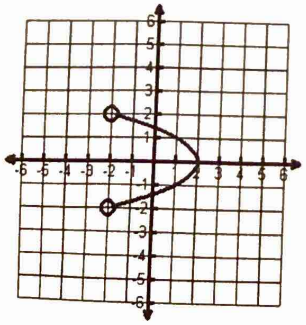
8) Domain $(-\infty,\infty)$ $\mathbb{R}$
Range $[-2,\infty)$ $y\geq -2$
Function?
square



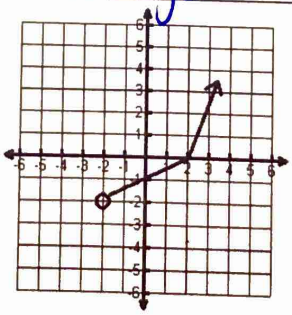
9) Domain $(-\infty,\infty)$ $\mathbb{R}$
Range $[0,3]$ $0\leq y\leq 3$
Function? yes



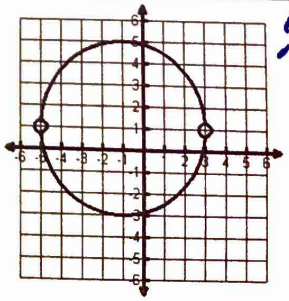
10) Domain $(-2,2]$ $-2<x\leq 2$
Range $(-2,2)$ $-2<y<2$
Function? NO



11) Domain $(-2,\infty)$ $x>-2$
Range $(-2,\infty)$ $y>-2$
Function? yes



12) Domain $(-5,3)$ $-5<x<3$
Range $[-3,1)\cup(1,5]$
Function? NO



$-3\leq y<1$,
$1<y\leq 5$