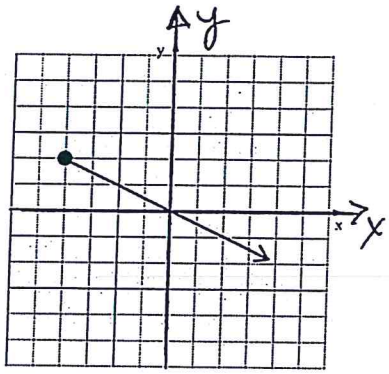
Alg 2 Sheet #1 Friday, September 20, 2019 Name:

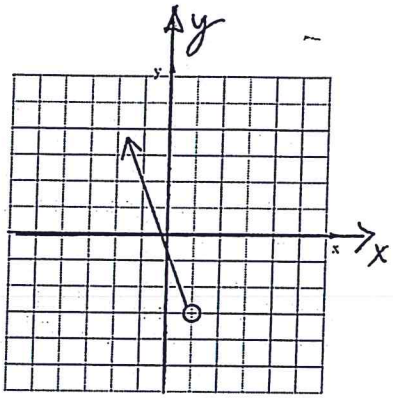
State the Domain and Range of each graph either with Inequalities or using Interval Notation. If the answers is All Real Numbers you can write that down or in interval notation write $(-\infty, \infty)$

Sometimes you'll need more than one inequality for an answer.

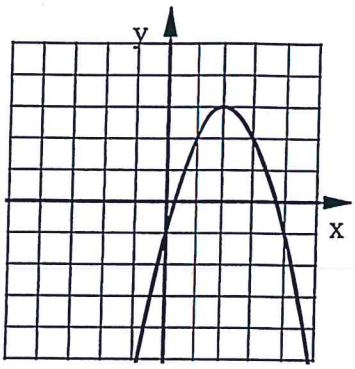
1. Domain: Range:



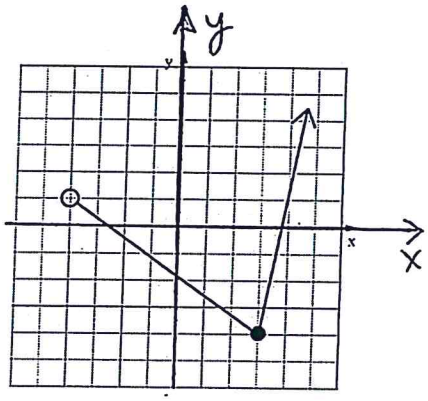
2. Domain: Range:



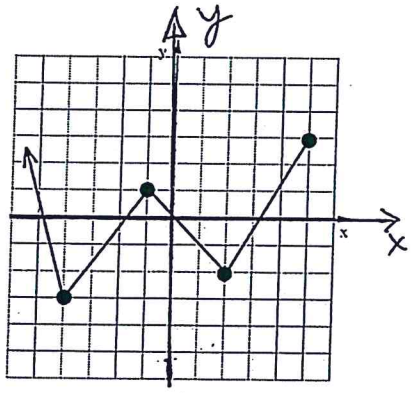
3. Domain: Range:



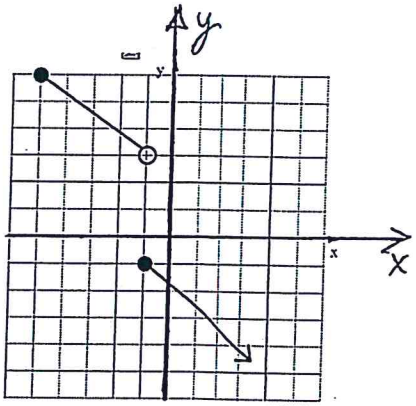
4. Domain: Range:



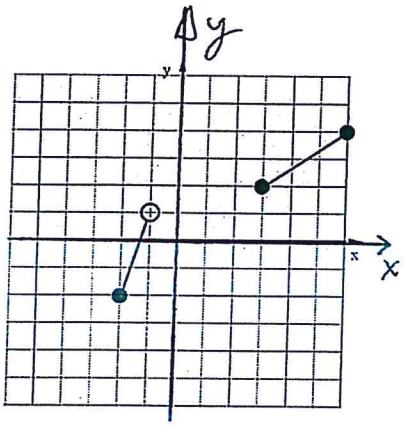
5. Domain: Range:



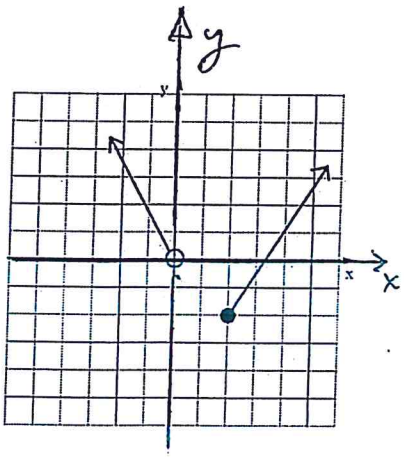
6. Domain: Range:



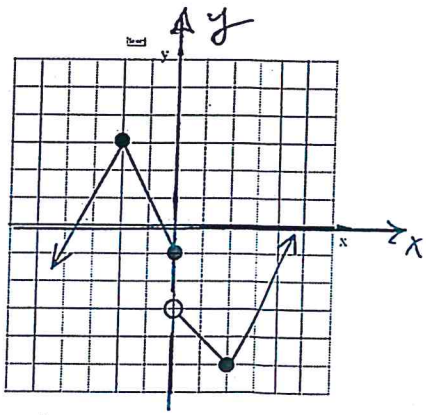
7. Domain: Range:



8. Domain: Range:



9. Domain: Range:

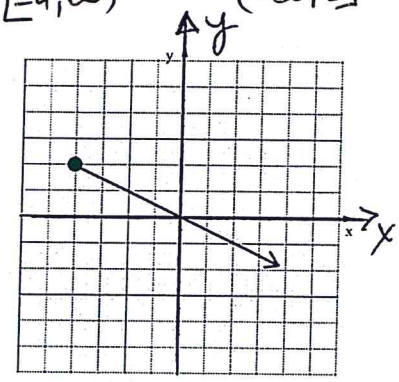


Alg 2 Sheet #1 Friday, September 20, 2019 Name: Answers

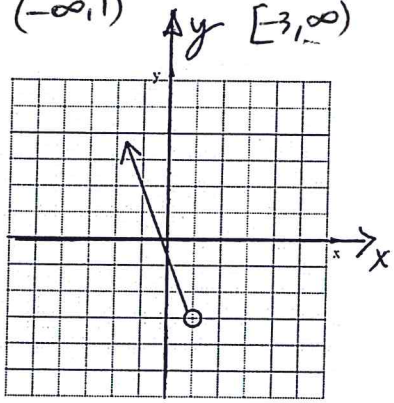
State the Domain and Range of each graph either with Inequalities or using Interval Notation. If the answers is All Real Numbers you can write that down or in interval notation write $(-\infty, \infty)$

Sometimes you'll need more than one inequality for an answer.

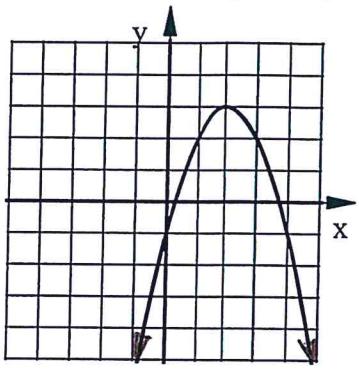
1. Domain: $x \geq -4$ $[-4, \infty)$ Range: $y \leq 2$ $(-\infty, 2]$



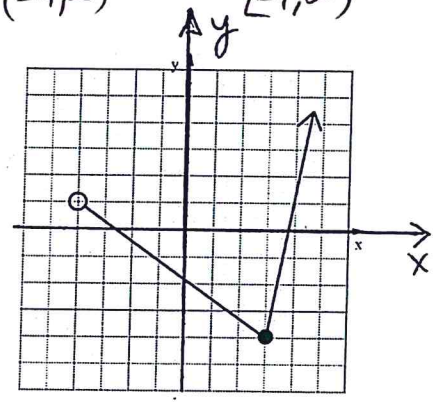
2. Domain: $x < 1$ $(-\infty, 1)$ Range: $y \geq -3$ $[-3, \infty)$



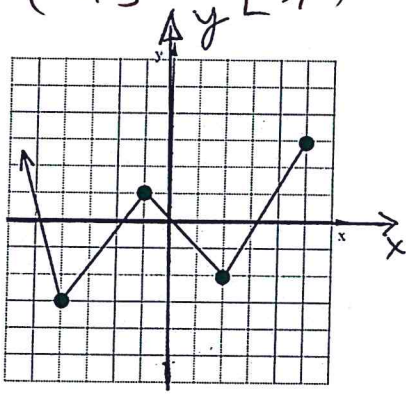
3. Domain: All Real #s $(-\infty, \infty)$ Range: $y \leq 3$ $(-\infty, 3]$



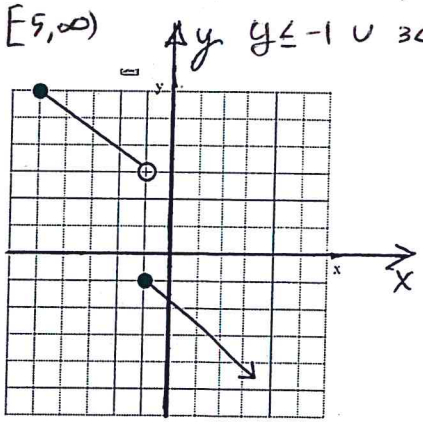
4. Domain: $x > -4$ $(-4, \infty)$ Range: $y \geq -4$ $[-4, \infty)$



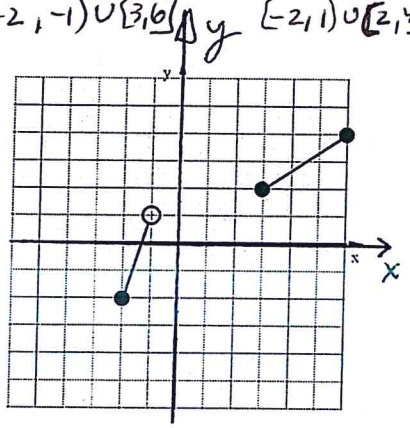
5. Domain: $x \leq 5$ $(-\infty, 5]$ Range: $y \geq -3$ $[-3, \infty)$



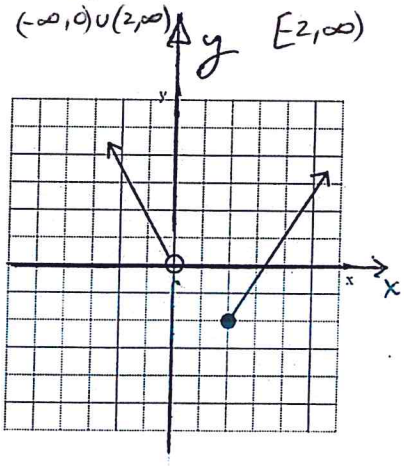
6. Domain: $x \geq -5$ $[-5, \infty)$ Range: $(-\infty, -1] \cup (3, 6]$ $y \leq -1 \cup 3 < y \leq 6$



7. Domain: $-2 \leq x < -1$ $3 \leq x \leq 6$ $[-2, -1) \cup [3, 6]$ Range: $-2 \leq y < 1$ $2 \leq y \leq 4$ $[-2, 1) \cup [2, 4]$



8. Domain: $x < 0$ $x \geq 2$ $(-\infty, 0) \cup (2, \infty)$ Range: $y \geq -2$ $[-2, \infty)$



9. Domain: All Real #s $(-\infty, \infty)$ Range: All Real #s $(-\infty, \infty)$