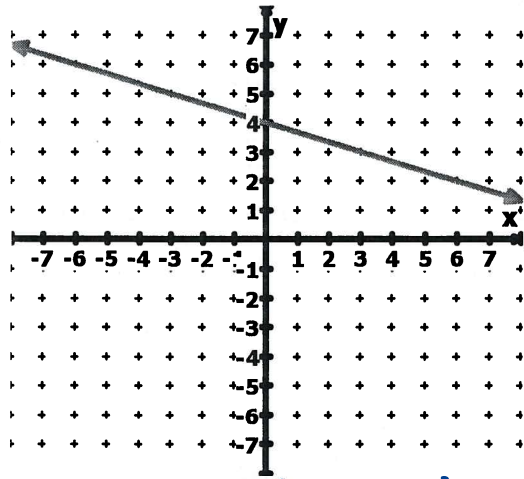


DOMAIN AND RANGE PRACTICE

Name: _____

Find the Domain and Range: Write in inequality notation and interval notation.

1.



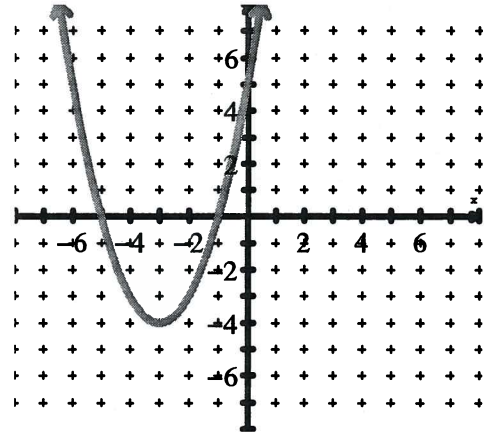
Domain (inequality): $(-\infty, \infty)$

Domain (interval): $-\infty < x < \infty$

Range (inequality): $(-\infty, \infty)$

Range (interval): $-\infty < y < \infty$

2.



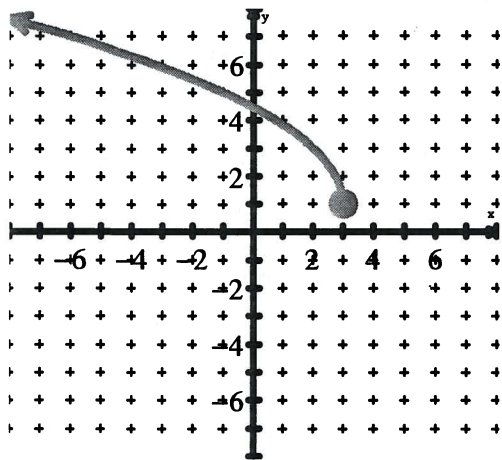
Domain (inequality): $(-\infty, \infty)$

Domain (interval): $-\infty < x < \infty$

Range (inequality): $[-4, \infty)$

Range (interval): $-4 \leq y < \infty$

3.



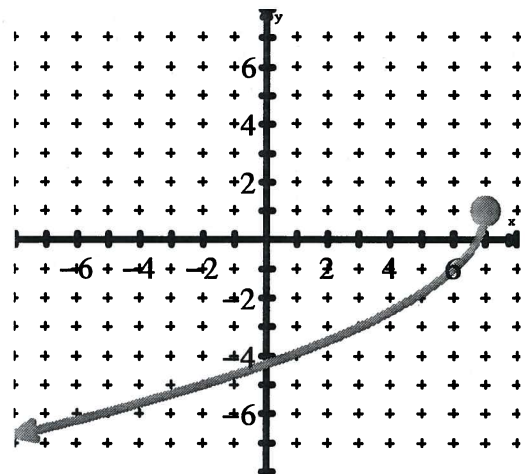
Domain (inequality): $(-\infty, 3]$

Domain (interval): $-\infty < x \leq 3$

Range (inequality): $[1, \infty)$

Range (interval): $1 \leq y < \infty$

4.



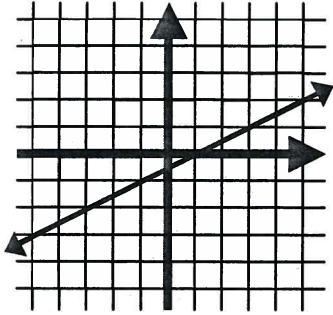
Domain (inequality): $(-\infty, 7]$

Domain (interval): $-\infty < x \leq 7$

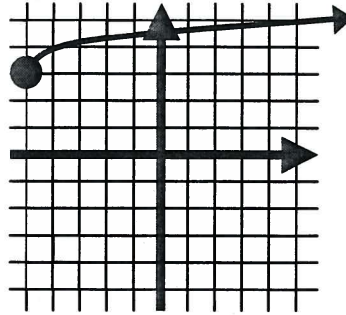
Range (inequality): $(-\infty, 1]$

Range (interval): $-\infty < y \leq 1$

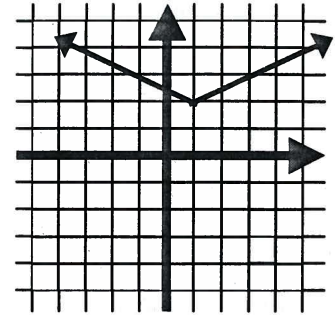
5.

Domain: $(-\infty, \infty)$ Domain: $-\infty < x < \infty$ Range: $(-\infty, \infty)$ Range: $-\infty < y < \infty$

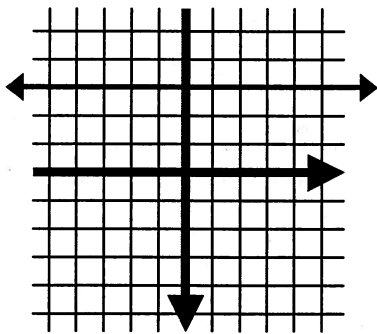
6.

Domain: $[-5, \infty)$ Domain: $-5 \leq x < \infty$ Range: $[3, \infty)$ Range: $3 \leq y < \infty$

7.

Domain: $(-\infty, \infty)$ Domain: $-\infty < x < \infty$ Range: $[2, \infty)$ Range: $2 \leq y < \infty$ Find the domain and range of each graph. Use **INTERVAL** notation.

8.



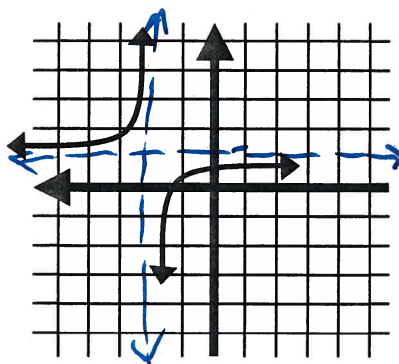
Domain:

 $(-\infty, \infty)$

Range:

 $\{3\}$

9.



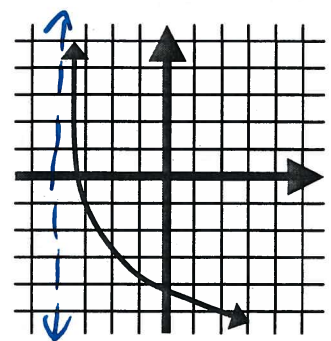
Domain:

 $(-\infty, -2) \cup (-2, \infty)$

Range:

 $(-\infty, 1) \cup (1, \infty)$

10.



Domain:

 $(-4, \infty)$

Range:

 $(-\infty, \infty)$