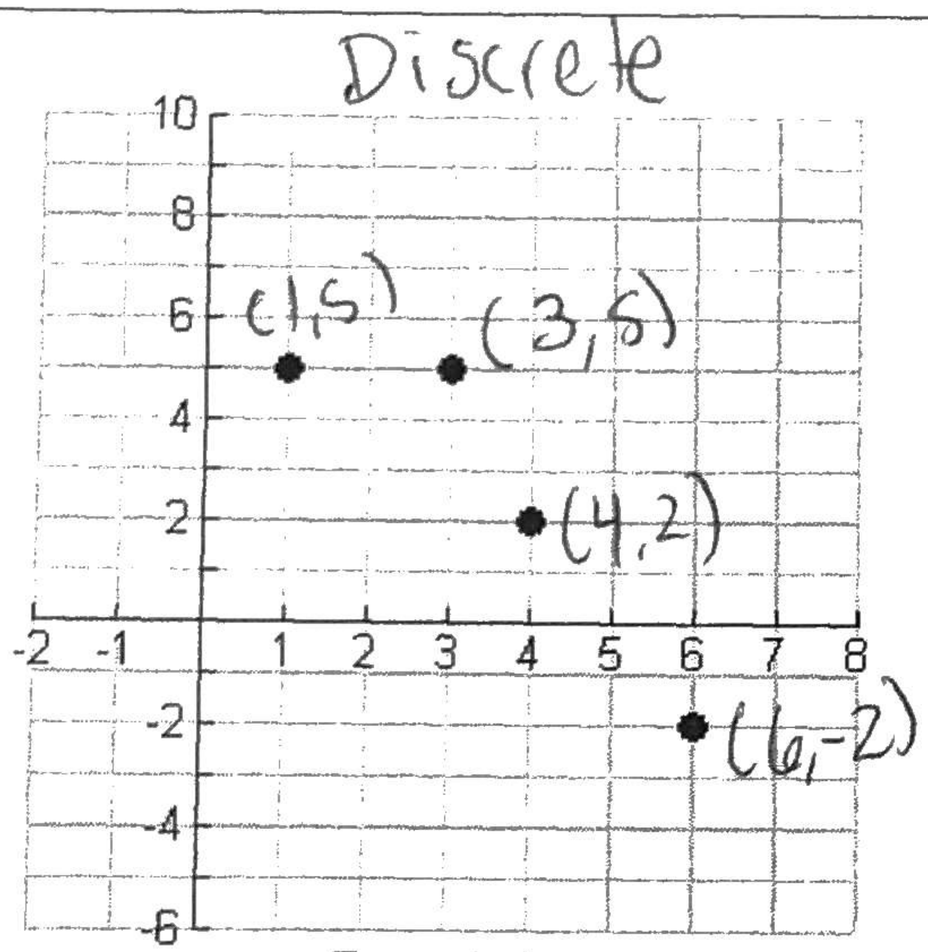
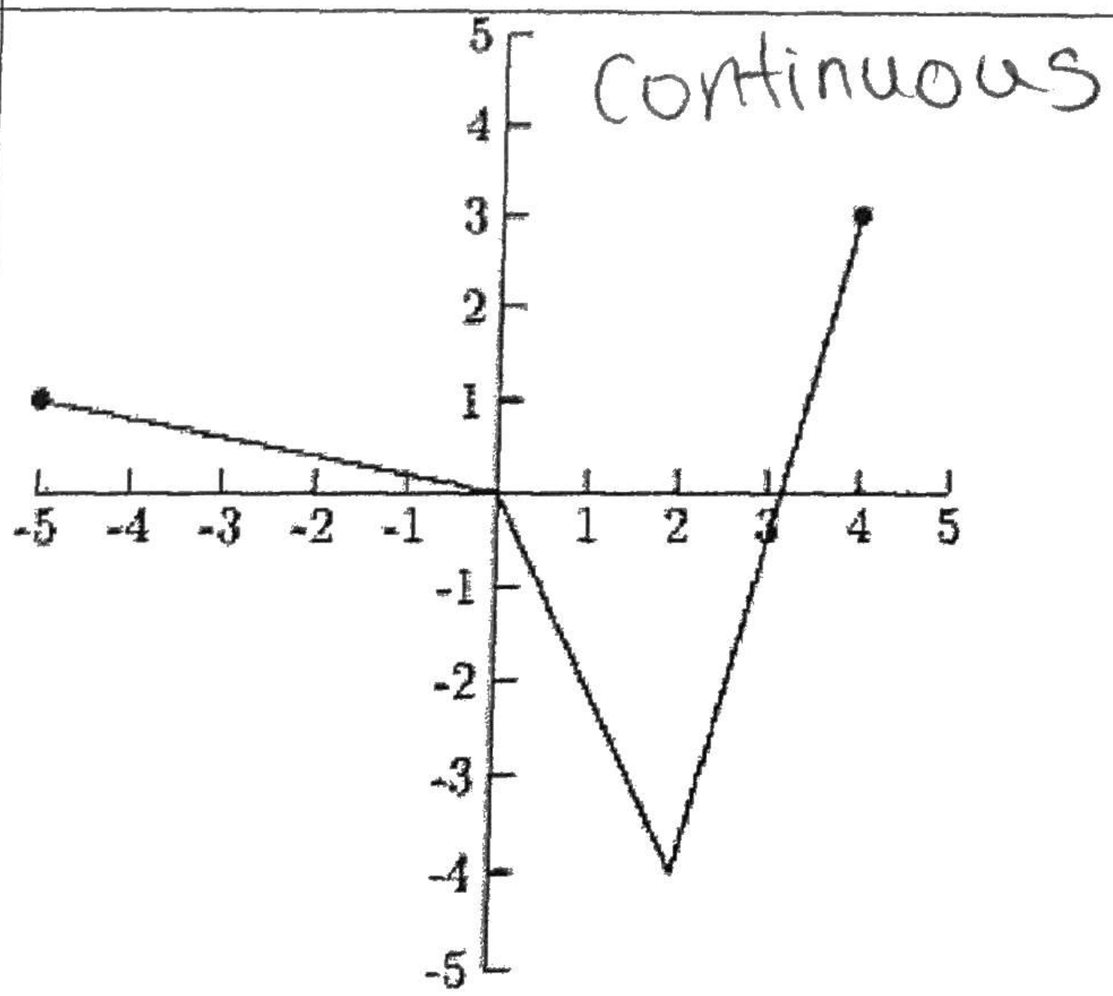
key

Domain and Range In-Class Notes

Domain:
- X values OF a function
- Continuous (connected Points) have a domain from the smallest x to the biggest x
- discrete (discont... have x values lis...

Range:
- all y values of a function
- continuous have smallest y to bigges y
- discrete have y values listed

Ways to write domain and range:

	Domain	Range
1.  Example 1	$X = \{1, 3, 4, 6\}$	$y = \{5, 2, -2\}$
2. 	$-5 \leq x \leq 4$	$-4 \leq y \leq 3$

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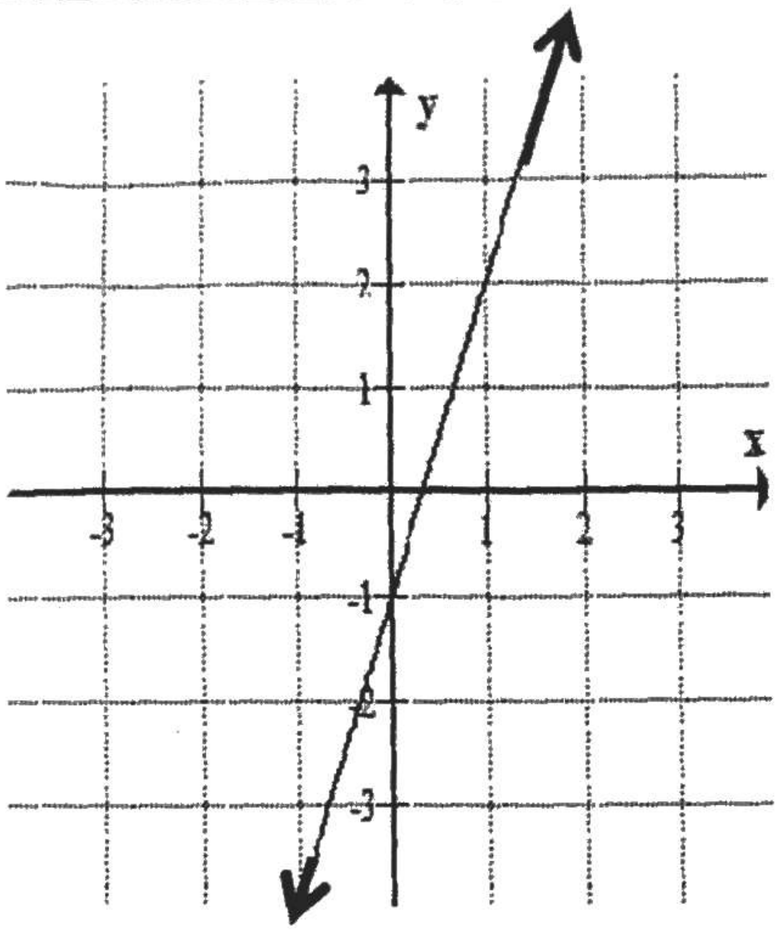
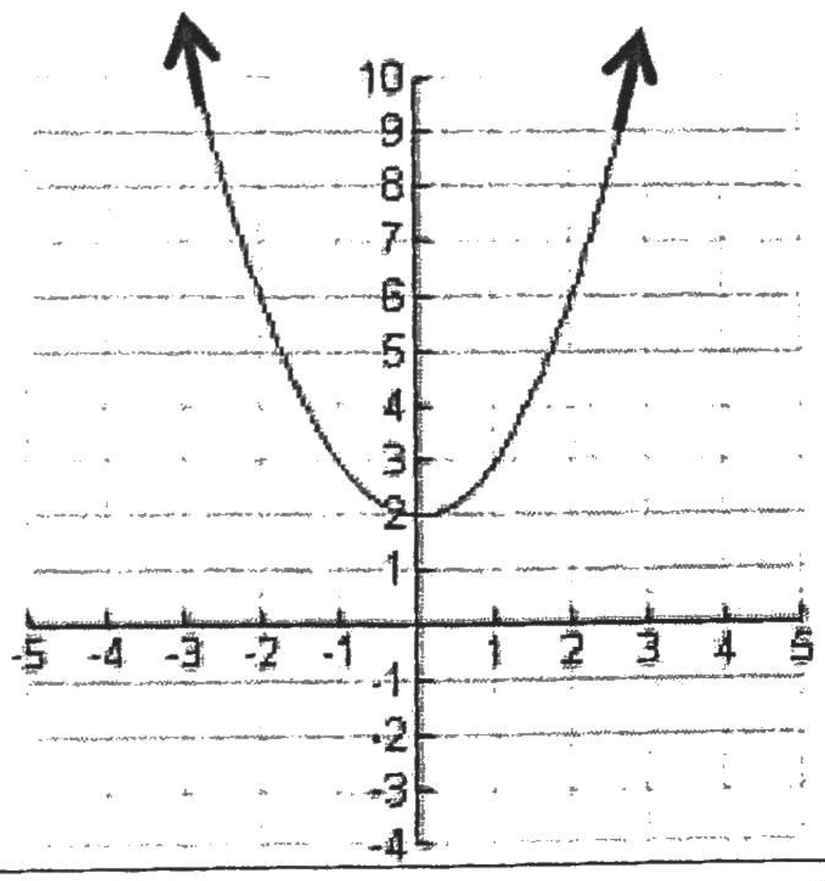
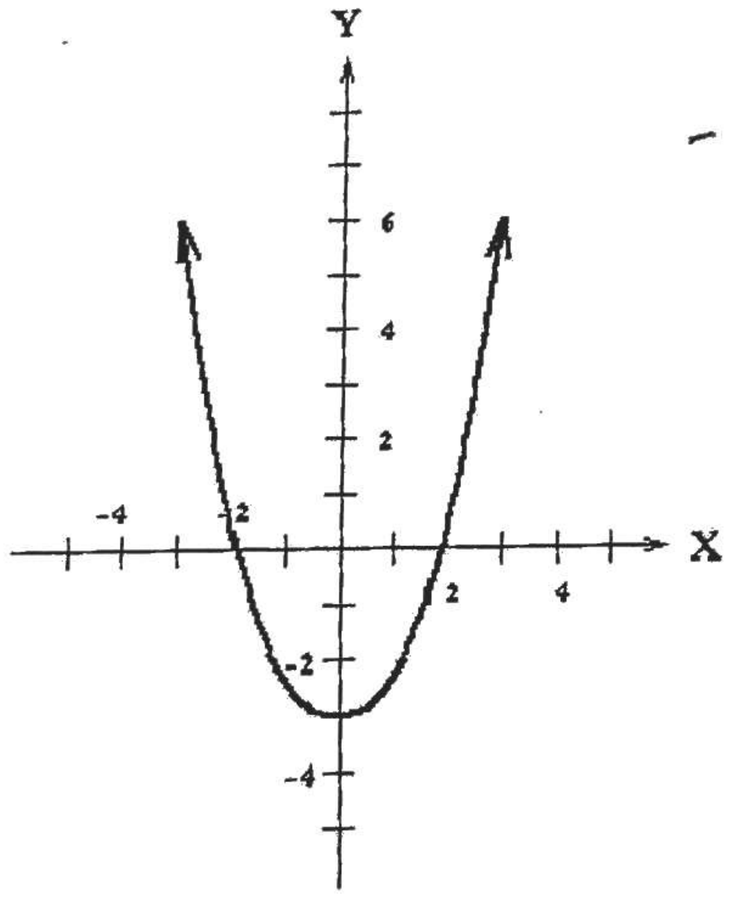
3.		$-\infty \le x \le \infty$	$-\infty \le y \le \infty$
4.		$-\infty \le x \le \infty$	$y \ge 2$

Self-Check

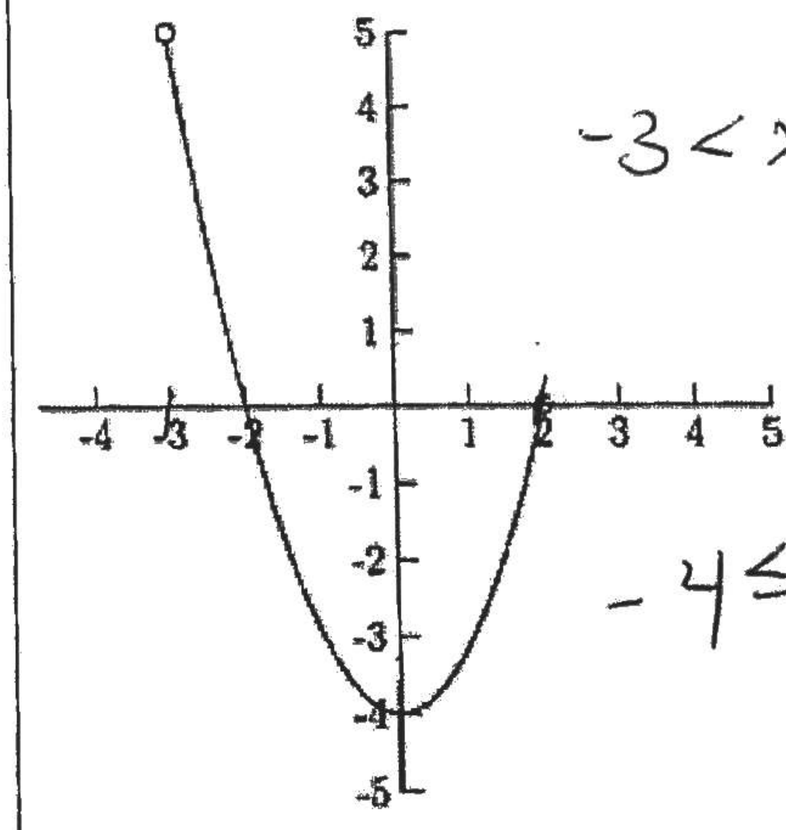


Domain:

$-\infty \le x \le \infty$

Range:

$y \ge -3$



Domain:

$-3 < x < 2$

Range:

$-4 \le y < 5$