

Name: Selected Answers

Date: \_\_\_\_\_

Homework: Unit 1 – Foundations

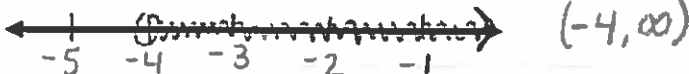
Honors PreCalculus

All homework must be completed NEATLY on your own paper.

**Homework 1.3: Interval & Set Notation**

Graph each inequality on a number line and write using interval notation.

1.  $x > -4$



2.  $x \leq 9$



3.  $-10 < x \leq 10$



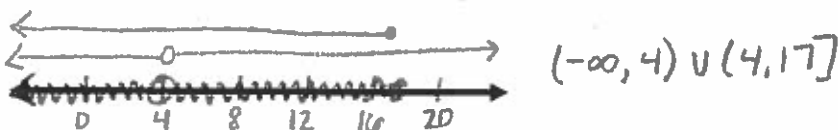
4.  $1 \leq x < 20$  or  $x > 30$



5.  $x \neq 5$



6.  $x \neq 4$  and  $x \leq 17$

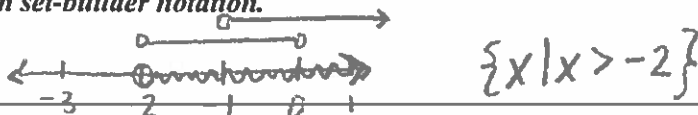


7.  $-1 < x \leq 1$  or  $x > 4$



Graph each write your answer in set-builder notation.

8.  $(-2, 0) \cup (-1, \infty)$



9.  $[-4, 6] \cap [0, 8)$

$\{x \mid 0 \leq x < 6\}$

10.  $(-\infty, -4) \cup (4, \infty)$

$\{x \mid x < -4 \text{ or } x > 4\}$

