

# Master Maths 9 Worksheet 26

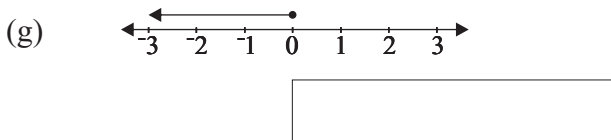
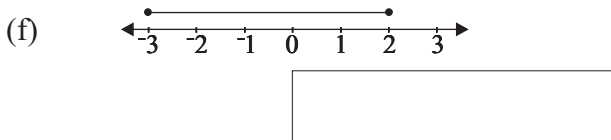
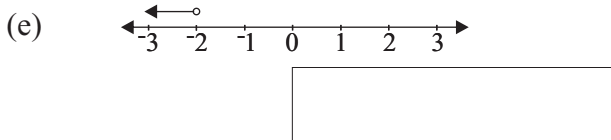
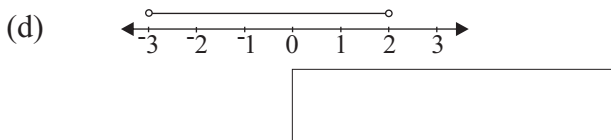
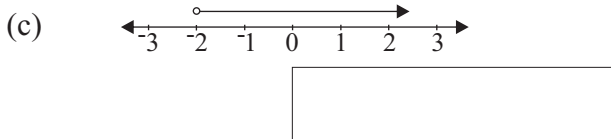
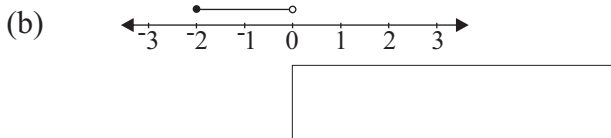
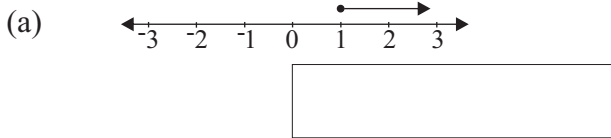
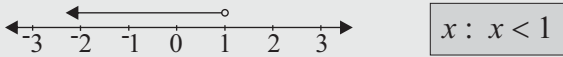
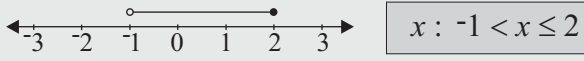
## Inequations 1

# 26

**Name:** \_\_\_\_\_

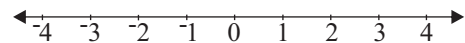
**1. Describe the regions represented on each number line.**

Examples:

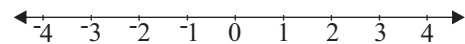


**2. Draw the following regions on the number lines provided.**

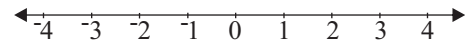
(a)  $\{x : x \geq 2\}$



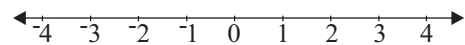
(b)  $\{x : 0 < x < 4\}$



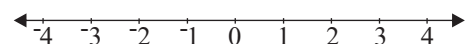
(c)  $\{x : 2 \leq x \leq 3\}$



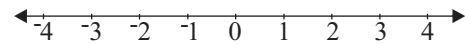
(d)  $\{x : x < -1\}$



(e)  $\{x : -3 < x \leq 1\}$



(f)  $\{x : x > -3\}$



**3. Circle the values of  $x$  that would be included in the region provided.**

Example:  $\{x : x \geq 3\}$    -2   1   0   **3**   **6**   **10**

(a)  $\{x : x < 2\}$    -3   -1   0   2   5

(b)  $\{x : x \leq -3\}$    -5   -3   0   1   2

(c)  $\{x : -2 \leq x \leq 2\}$    -3   -2   0   1   3

(d)  $\{x : 0 \leq x \leq 4\}$    -8   -6   -1   2   3