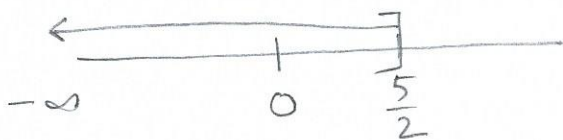


Book

5) $x > 5$

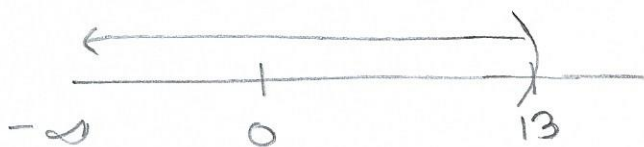
Interval notation $(5, \infty)$ Set builder notation $\{x \mid x > 5\}$
such that

7) $x \leq \frac{5}{2}$

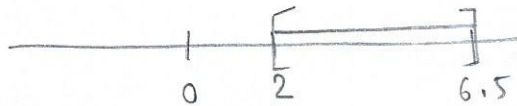
Interval notation $(-\infty, \frac{5}{2}]$ Set builder notation $\{x \mid x \leq \frac{5}{2}\}$

9) $13 > p$

$p < 13$

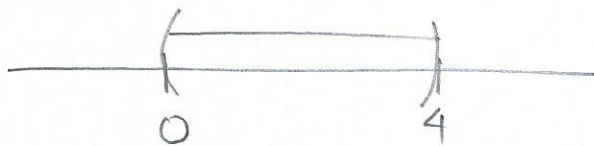
Interval notation $(-\infty, 13)$ Set builder notation $\{p \mid p < 13\}$

$$11) \quad 2 \leq y \leq 6.5$$



$$[2, 6.5] \quad \{y \mid 2 \leq y \leq 6.5\}$$

$$13) \quad 0 < x < 4$$



$$(0, 4) \quad \{x \mid 0 < x < 4\}$$

$$15) \quad 1 < p \leq 8$$

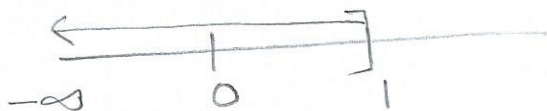


$$(1, 8] \quad \{p \mid 1 < p \leq 8\}$$

$$49) x + 5 \leq 6$$

$$x \leq 6 - 5$$

$$x \leq 1$$



$$(-\infty, 1] \quad \{x \mid x \leq 1\}$$

$$51) 3q - 7 > 2q + 3$$

$$3q - 2q > 3 + 7$$

$$q > 10$$



$$(10, \infty) \quad \{q \mid q > 10\}$$

$$53) 4 < 1 + x$$

$$4 - 1 < x$$

$$3 < x$$

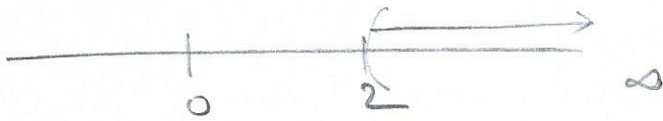
$$x > 3$$



$$(3, \infty) \quad \{x \mid x > 3\}$$

$$55) \frac{3c}{3} > \frac{6}{3}$$

$$c > 2$$



$$(2, \infty) \quad \{c \mid c > 2\}$$

$$58) \frac{-4d}{-4} \leq \frac{12}{-4}$$

$$d \geq -3$$



$$[-3, \infty) \quad \{d \mid d \geq -3\}$$

$$60) \frac{-w}{-1} > \frac{-7}{-1}$$

$$w < 7$$



$$(-\infty, 7) \quad \{w \mid w < 7\}$$

$$62) 3.6 < -\frac{m}{3} \cdot 3$$

$$\frac{18}{-1} < \frac{-m}{-1}$$

$$-18 > m$$

$$m < -18$$



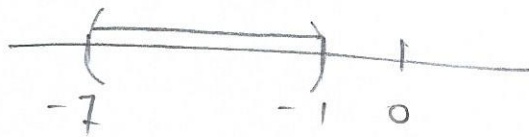
$$(-\infty, -18)$$

$$\{m \mid m < -18\}$$

$$64) 0 < k+7 < 6$$

$$\frac{-7}{-7} \quad \frac{-7}{-7} \quad \frac{-7}{-7}$$

$$-7 < k < -1$$



$$(-7, -1) \quad \{k \mid -7 < k < -1\}$$

$$66) -6 \leq 4a-2 \leq 12$$

$$-6+2 \leq 4a-2+2 \leq 12+2$$

$$\frac{-4}{4} \leq \frac{4a}{4} \leq \frac{14}{4}$$

$$-1 \leq a \leq \frac{7}{2}$$



$$[-1, \frac{7}{2}]$$

$$\{a \mid -1 \leq a \leq \frac{7}{2}\}$$