

PG 204 23-30 43, 44, 46

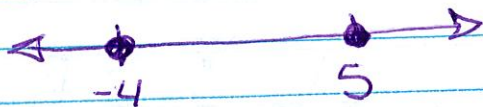
23.  $x \leq 2$



28  $x \leq 0$



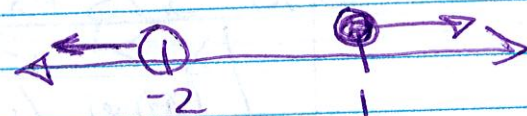
24)  $[-4, 5]$   $-4 < x < 5$



$(-\infty, 0]$

29  $x < -2$  or  $x \geq 1$

25)  $(-\infty, 1]$  or  $(3, \infty)$



$x < 1$  or  $x > 3$

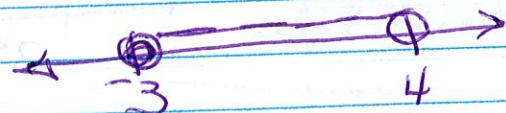
$(-\infty, -2)$  or  $[1, \infty)$



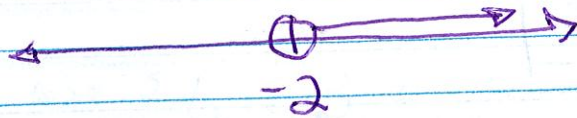
30.  $[-3, 4)$

26)  $[6, \infty)$   $x \geq 6$

$-3 \leq x < 4$



27  $x > -2$



$(-2, \infty)$

43.  $5 + 9 > x$

$14 > x$

$x < 14$

$\therefore$  upper limit

is 14

$5 + x > 9$

$5 - 5 + x > 9 - 5$

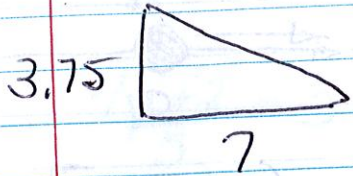
$x > 4$  lower limit

$\therefore 4 < x < 14$



~~XXXXXXXXXX~~  
~~XXXXXXXXXX~~

44. 3.75 u; 7 u



$$3.75 + 7 > x$$

$$10.75 > x$$

upper limit

$$3.75 + x > 7$$

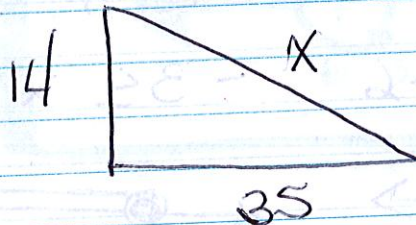
$$3.75 - 3.75 + x > 3.00 - 3.75$$

$$x > 3.25$$

lower limit

$$3.25 < x < 10.75$$

46. 14 mm ; 35 mm



$$14 + 35 > x$$

$$49 > x$$

$$x < 49$$

upper limit

$$14 + x > 35$$

$$14 - 14 + x > 35 - 14$$

$$x > 21$$

lower limit