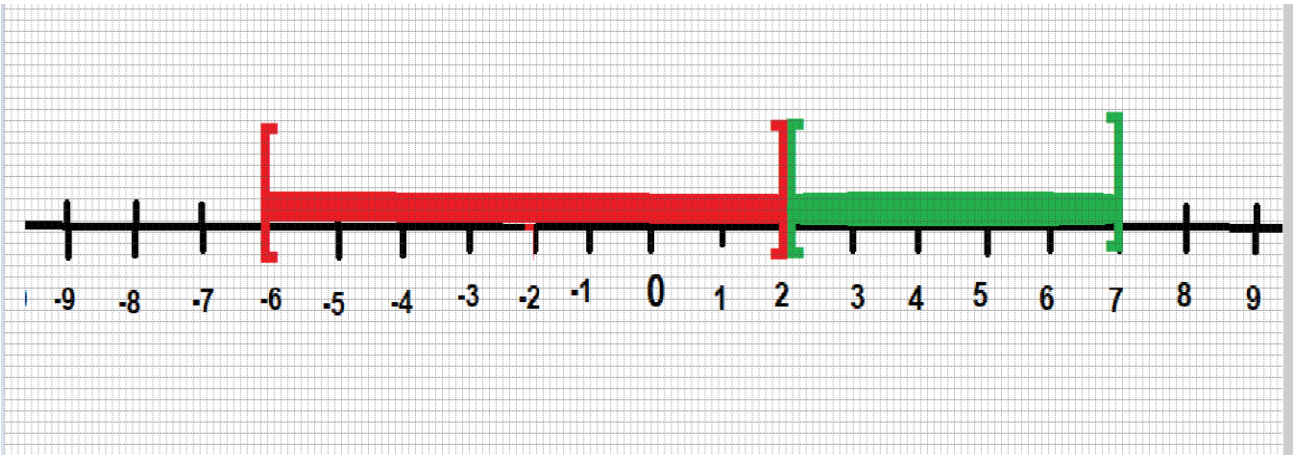
EJERCICIOS CON INTERVALOS REALES

$C = \{x/2 \leq x \leq 7\} = [2,7]$

$D = \{x/-6 \leq x \leq 2\} = [-6,2]$



$C \cup D = [-6,7]$

$C \cap D = 2$

$C-D=(2,7]$

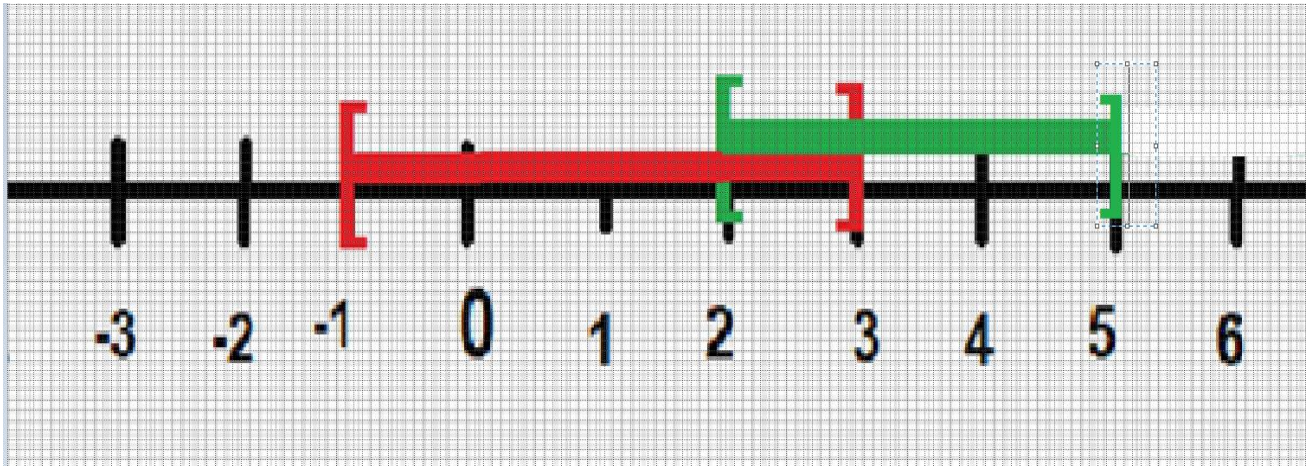
$D-C = [-6,2)$

$D' = (-\infty,-6) \cup (2, \infty)$

$C' = (-\infty,2) \cup (7, \infty)$

$M = \{x / -1 \leq x \leq 3\} = [-1,3]$

$P = \{x / 2 \leq x \leq 5\} = [2,5]$



$M \cup P = [-1,5]$

$M \cap P = [2,3]$

$M - P = [-1,2)$

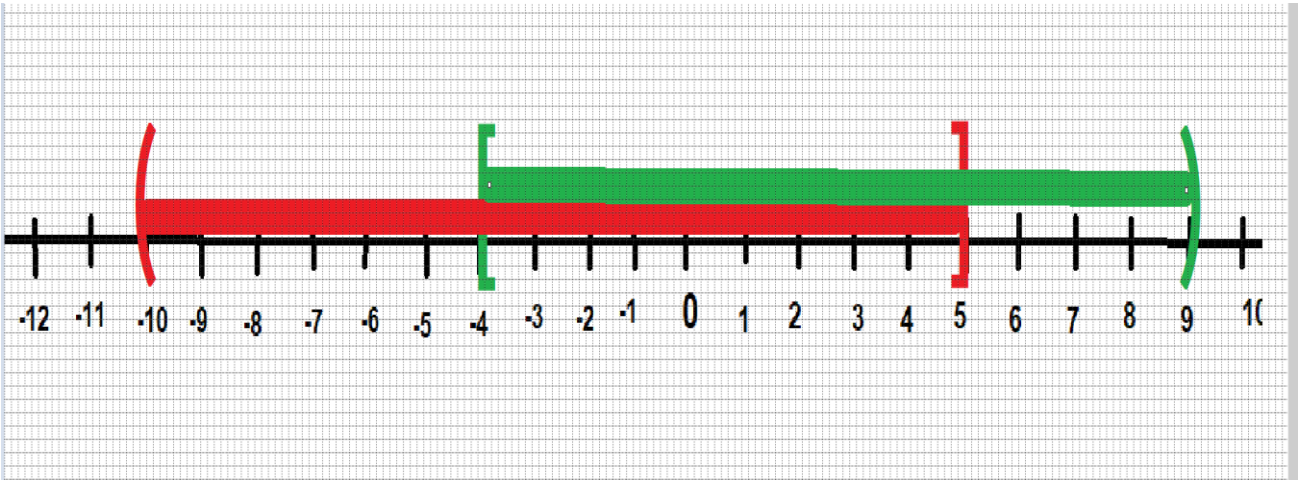
$P - M = (3,5]$

$M' = (-\infty,-1) \cup (3, \infty)$

$P' = (-\infty,2) \cup (5, \infty)$

$R = \{x/-10 < x \leq 5\} = (-10,5]$

$S = \{x/-4 \leq x < 9\} = [-4,9)$



$RUS = (-10,9)$

$R \cap S = [-4,5]$

$R-S=(-10,-4)$

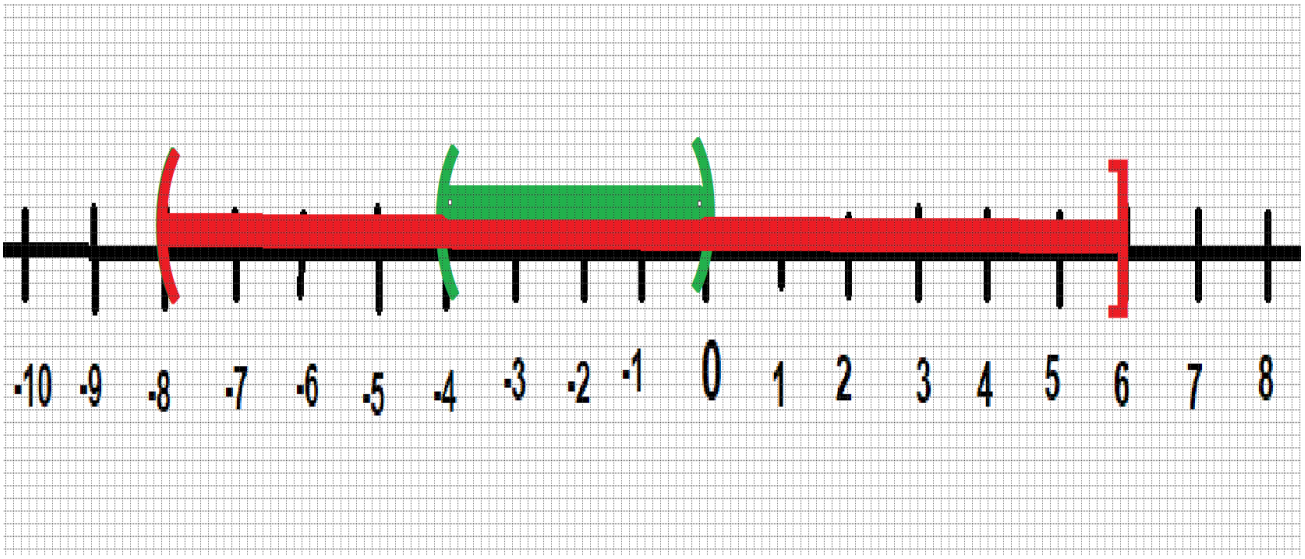
$S-R = (5,9)$

$R' = (-\infty,-10] \cup (5, \infty)$

$S' = (-\infty,-4) \cup [9, \infty)$

$T = \{x/-8 < x \leq 6\} =$

$Q = \{x/-4 < x < 0\} =$



$T \cup Q = [-8,6]$

$T \cap Q = (-4,0)$

$T-Q = (-8,-4] \cup [0, 6]$

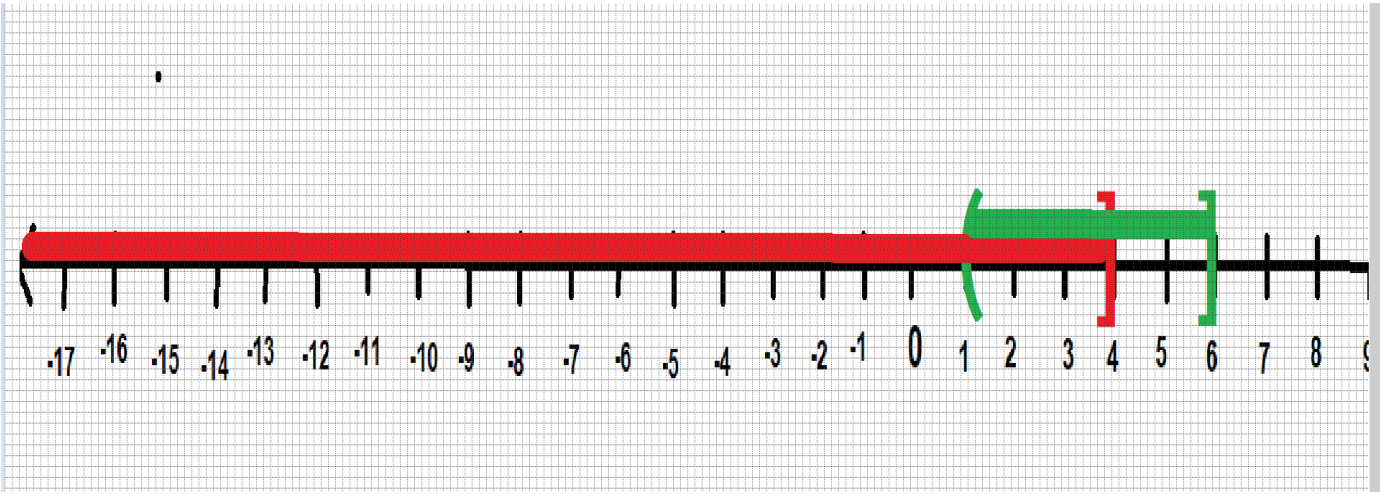
$Q-T = \phi$

$T' = (-\infty,-8] \cup (6, \infty)$

$Q' = (-\infty,-4] \cup [0, \infty)$

A = {x/x ≤ 4} =

B = {x/1 < x ≤ 6} =



AUB= (-∞,6]

A∩B= (-1,4]

A-B=(-∞,1]

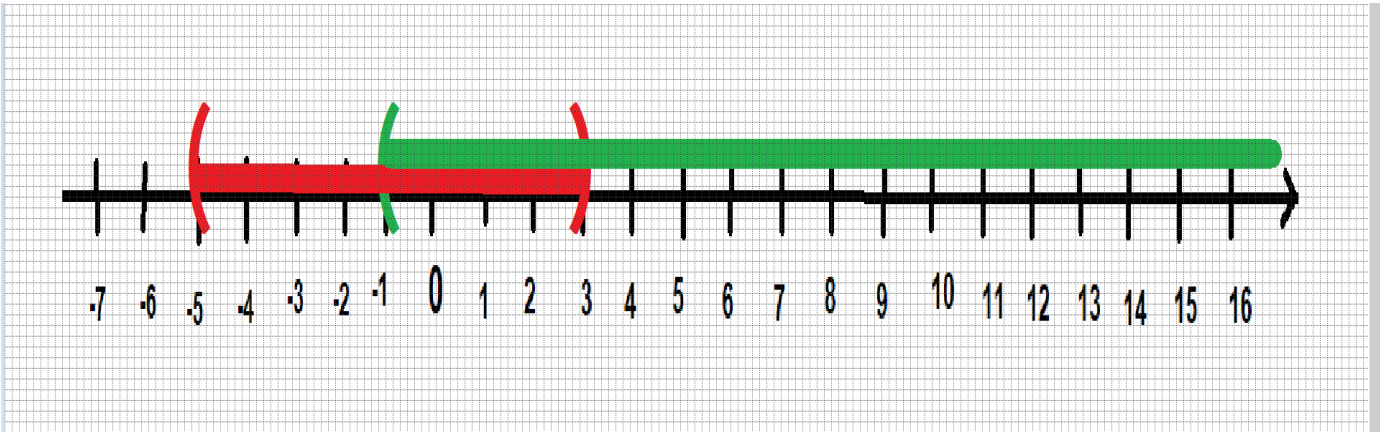
B-A = (4,6]

A´ = (6, ∞)

B´ = (-∞,1]U(6, ∞)

D = {x/-5 < x < 3} =

F = {x/-1 < x } =



DUF= (-5, ∞)

D∩F= (-1,3)

D-F=(-5,-1]

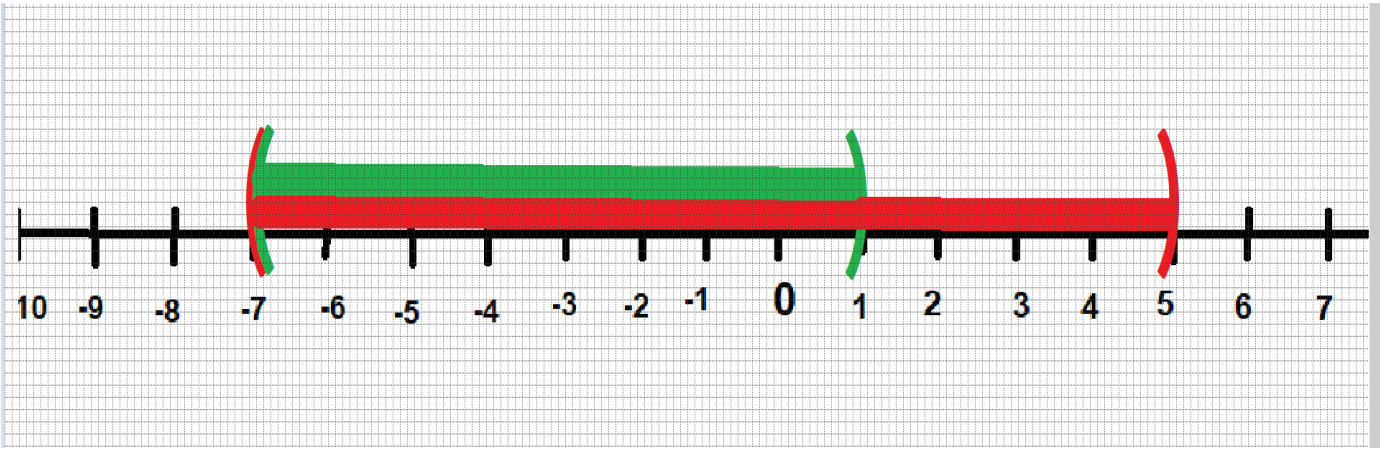
F-D = [3, ∞)

D´ = (-∞,-5]U[3, ∞)

F´ = (-∞,-1]

$G = \{x/-7 < x < 5\} =$

$H = \{x/-7 < x < -2\} =$



$G \cup H = (-7,5)$

$G \cap H = (-7,1)$

$G-H=[1,5)$

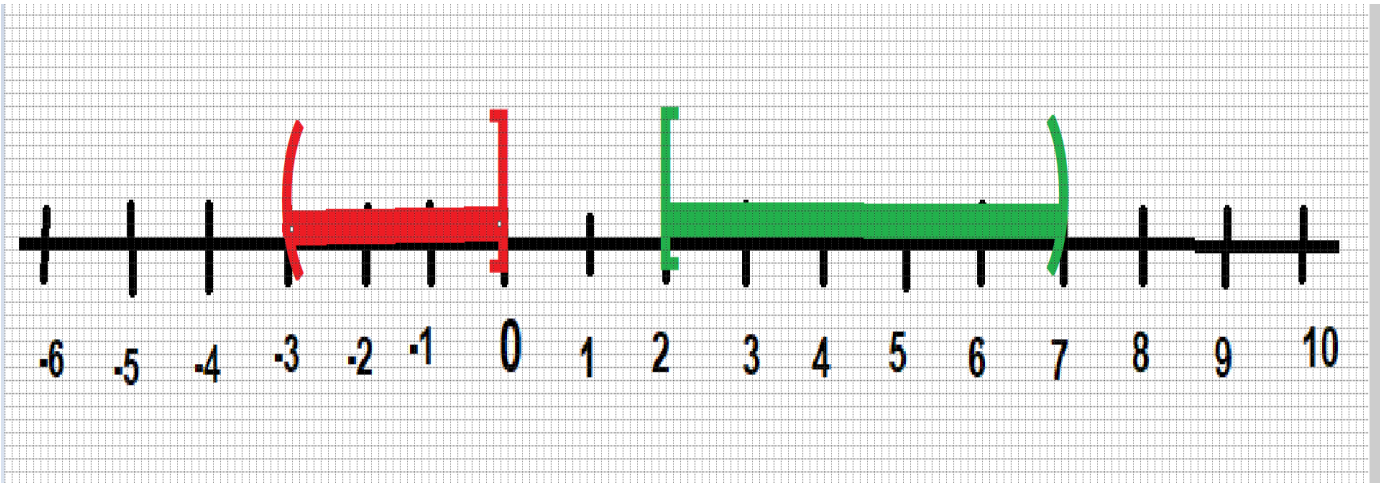
$H-G = \phi$

$G' = (-\infty,-7] \cup [5, \infty)$

$H' = (-\infty,-7] \cup [1, \infty)$

$J = \{x/-3 < x \leq 0\}$

$K = \{x/2 \leq x < 7\} =$



$J \cup K = (-3,0] \cup [2,7)$

$J \cap K = \phi$

$J - K = (-3,0]$

$K - J = [2,7)$

$J' = (-\infty,-3] \cup (0, \infty)$

$K' = (-\infty,2) \cup (7, \infty)$

$T = \{x/-8 < x \leq 6\}$

$Q = \{x/-4 < x\ 0\}$