

AL MOATTASSEM INTERNATIONAL SCHOOL - JUBAIL

Level - 8 Mathematics

Revision worksheet - 3

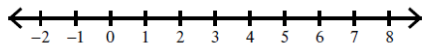
Ch - 5 Algebra 2

Inequalities - unsolved

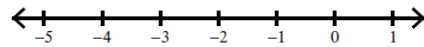
Part 1

Solve each inequality and graph its solution.

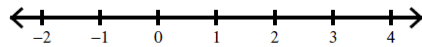
1) $0 > 3x - 3 - 6$



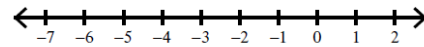
2) $4x + 1 - 1 \geq -8$



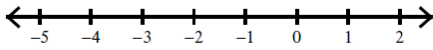
3) $-1 \leq 2n + 4 - 5$



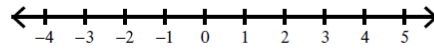
4) $-6 > 5n + 5 + 4$



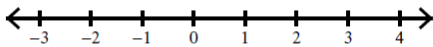
$$5) 0 \leq 2n + 3n$$



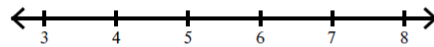
$$6) 2p - 4p \leq -2$$



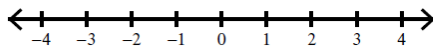
$$7) 7 < -(-k - 3) + 2$$



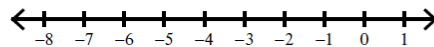
$$8) 3 - 2(n - 4) > -1$$



$$9) -5(1 - 4a) > -5$$



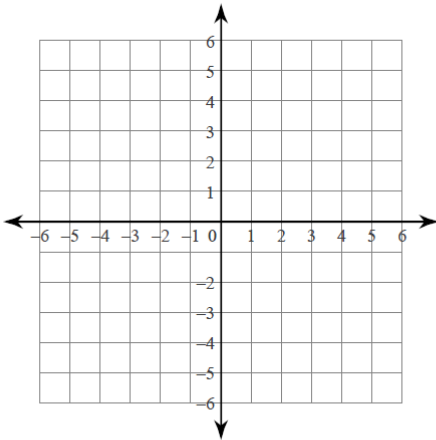
$$10) -2(b + 1) + 4 < 10$$



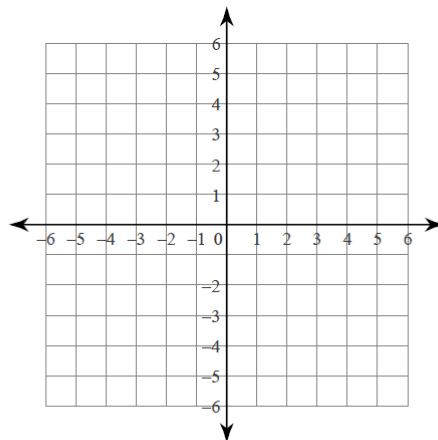
Part 2

Sketch the graph of each linear inequality.

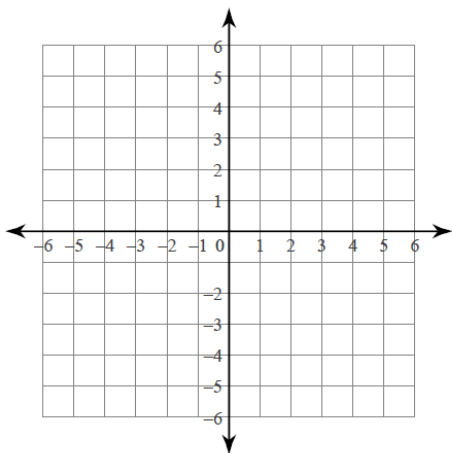
$$1) y \geq -2x - 2$$



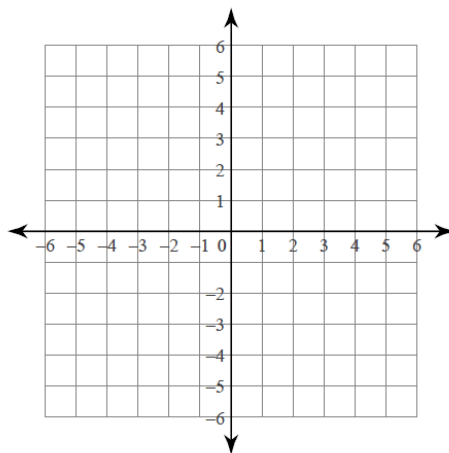
$$2) y \leq -\frac{1}{3}x + 1$$



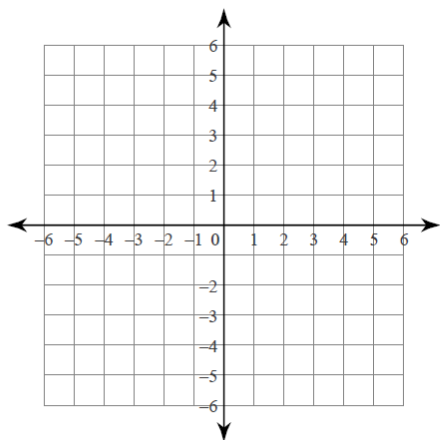
3) $x \geq -2$



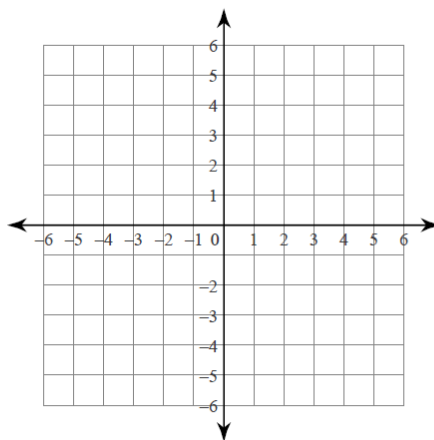
4) $y < x - 2$



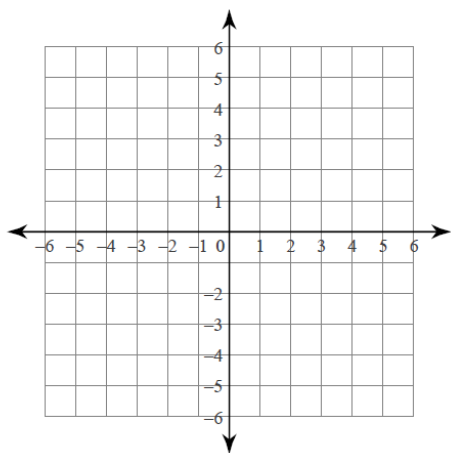
5) $y \geq x - 2$



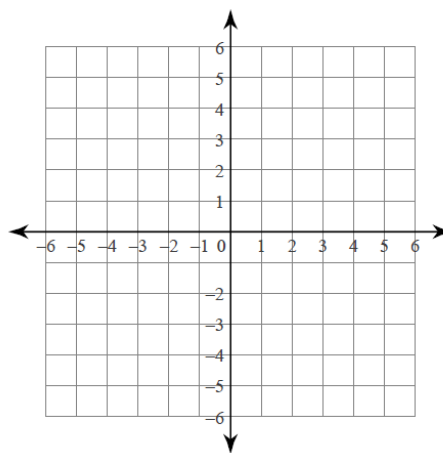
6) $y < 6x + 1$



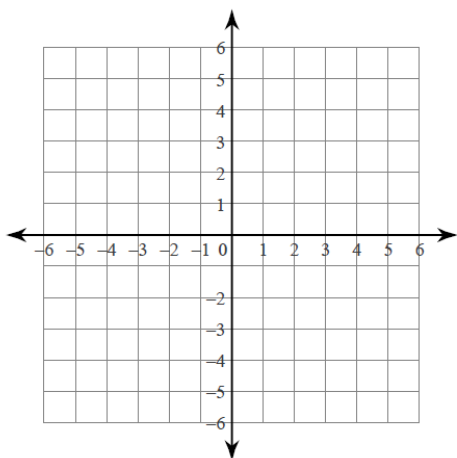
7) $5x - y \geq 5$



8) $x + 3y \geq 3$



9) $y \geq 5$



10) $2x - 5y \leq 10$

