Inequalities and the Half Plane

Key words:

- → more than, greater than, exceeds
- at least, not less than, minimum
 amount → greater than or = to
- < → less than, lower than, smaller than
- ≤ → at most, up to, not more than, cannot exceed, maximum amount

Determine if the point P(3,1) satisfies the following inequalities:

a)
$$-4x + 5y - 10 \le 0$$
?
 $-4(3) * 5(1) - 10 \le 0$
 $-17 \le 0$

c)
$$y > x - 2$$

 $1 > 3 - 2$