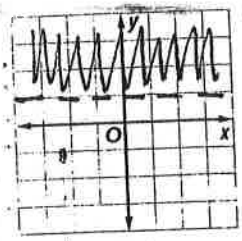
NAME Key DATE PERIOD

2-7 Skills Practice

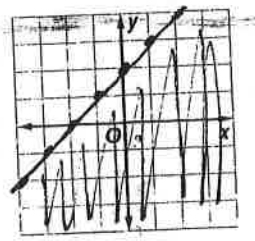
Graphing Inequalities

Graph each inequality.

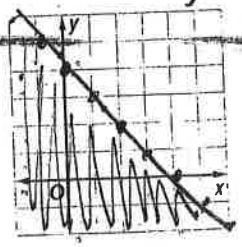
1. $y > 1$



2. $y \leq x + 2$

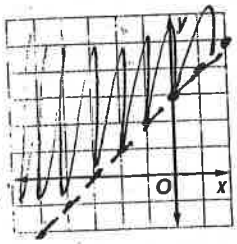


3. $x + y \leq 4$ $y \leq -x + 4$

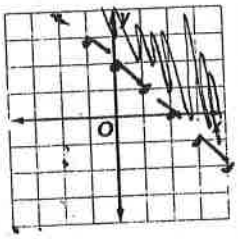


$-y < -x - 2$

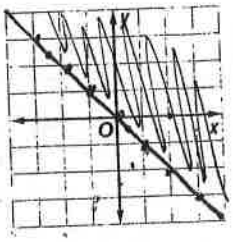
4. $x + 3 < y$ $y > x + 3$



5. $2 - y < x$ $y > -x + 2$



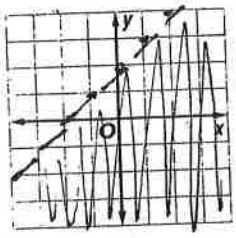
6. $y \geq -x + 0$



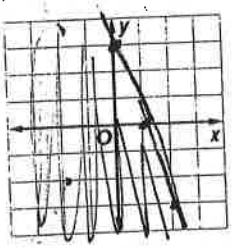
$-y > -x - 2$

$3y \leq -9x + 6$

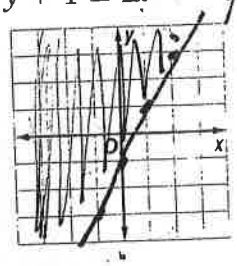
7. $x - y > -2$ $y < x + 2$



8. $9x + 3y - 6 \leq 0$ $y \leq -3x + 3$

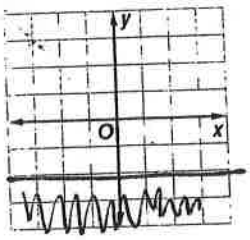


9. $y + 1 \geq 2x$ $y \geq 2x - 1$

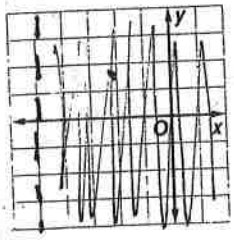


$y \leq -2$

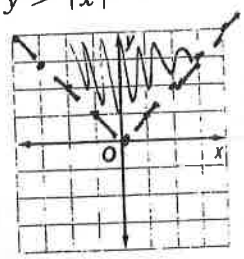
10. $y - 7 \leq -9$



11. $x > -5$



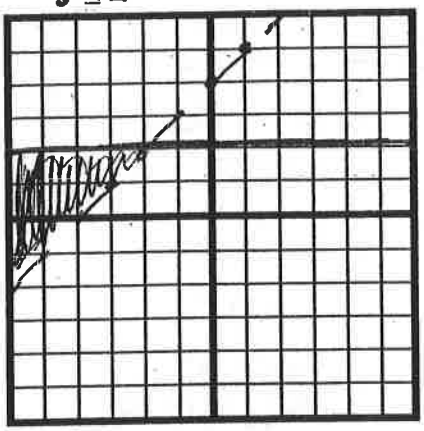
12. $y > |x|$



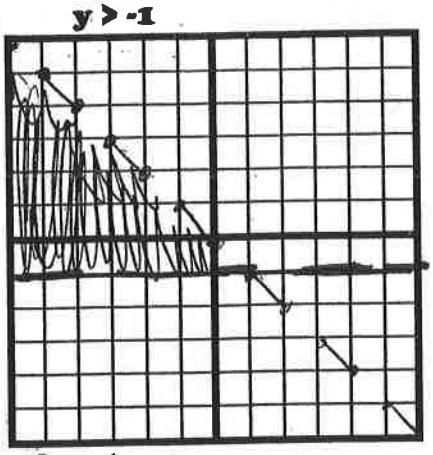
Key

Graphing Linear Systems

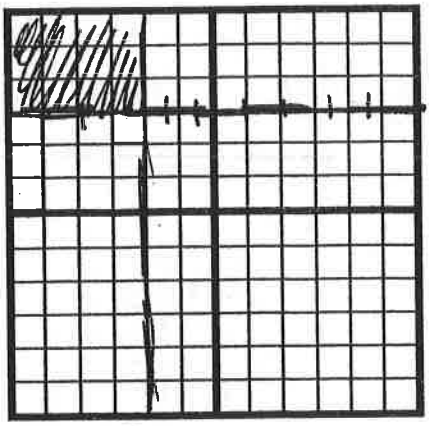
1) $y > x + 4$
$y \leq 2$



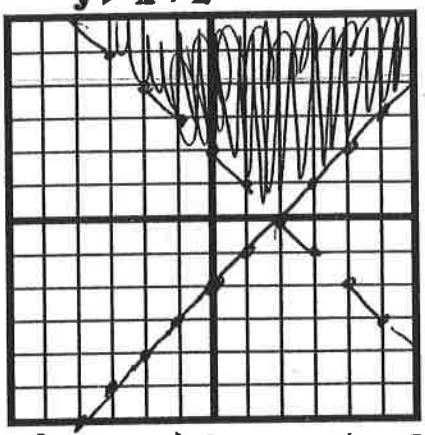
2) $x + y < 0$ $y < -x + 0$
$y > -1$



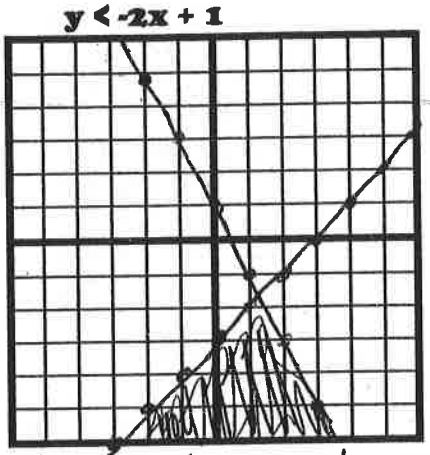
3) $y > 3$
$x \leq -2$



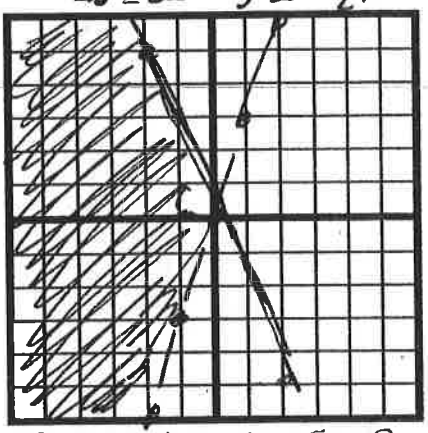
4) $y \geq x - 2$
$y > -x + 2$



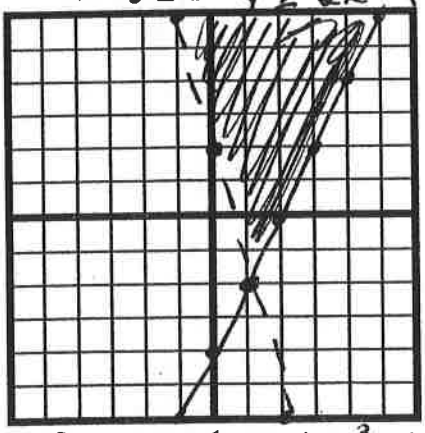
5) $y \leq x - 3$
$y < -2x + 1$



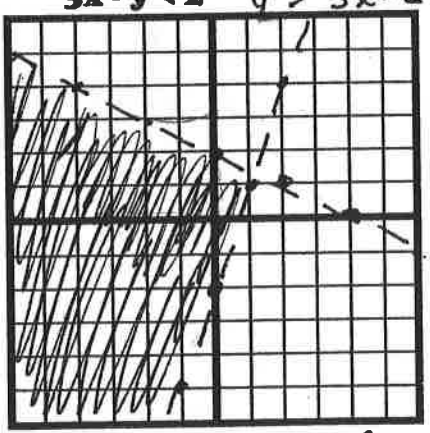
6) $y \geq 3x$
$-2y \geq 5x$ $y \leq -\frac{5}{2}x$



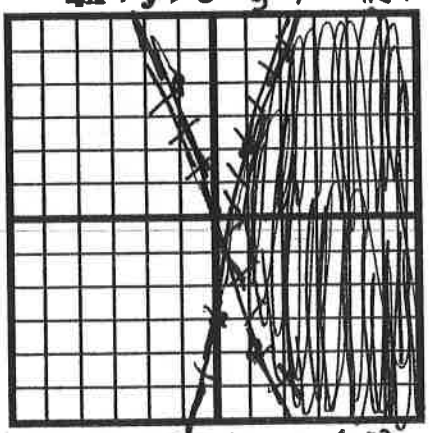
7) $4x + y > 2$ $y > -4x + 2$
$2x - y \leq 4$ $y \geq 2x - 4$



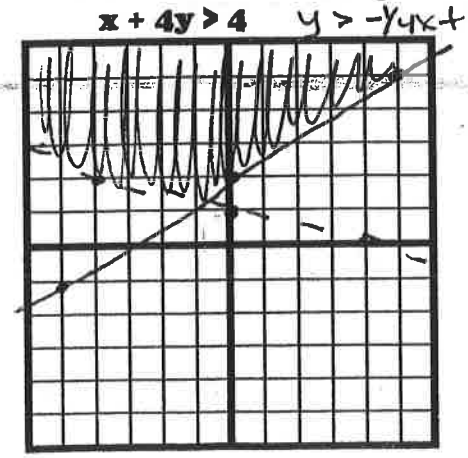
8) $x + 2y < 4$ $y < -\frac{1}{2}x + 2$
$3x - y < 2$ $y > 3x - 2$



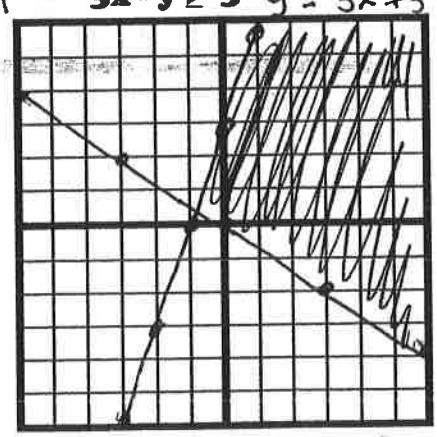
9) $5x - y > 3$ $y < 5x - 3$
$4x + y > 0$ $y > -4x + 0$



10) $3x - 5y \leq -10$ $y \geq \frac{3}{5}x + 2$
$x + 4y > 4$ $y > -\frac{1}{4}x + 1$



11) $2x + 3y \geq 0$ $y \geq -\frac{2}{3}x + 0$
$3x - y \geq -3$ $y \leq 3x + 3$



12) $3x + 2y \leq 6$ $y \leq -\frac{3}{2}x + 3$
$x - y \geq -3$ $y \leq x + 3$