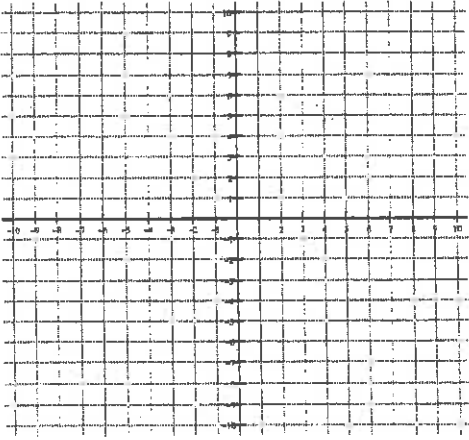


Worksheet 2.3 - Graphing Inequalities

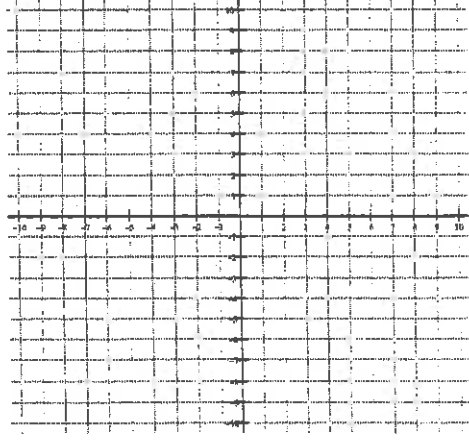
Name _____

Graph the following inequalities.

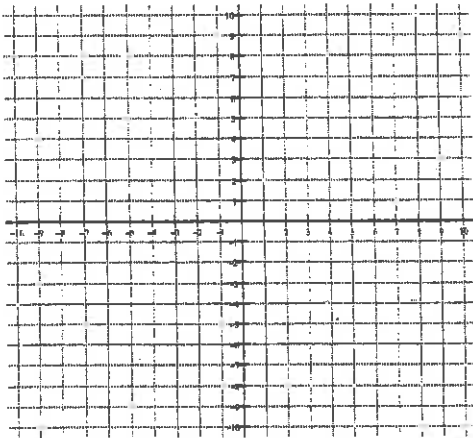
1. $y > -\frac{4}{5}x + 3$



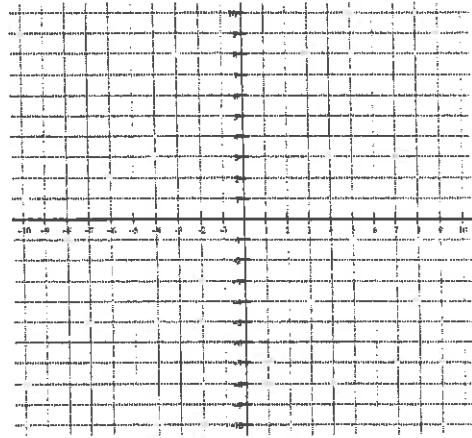
2. $y \geq 5 + 4x$



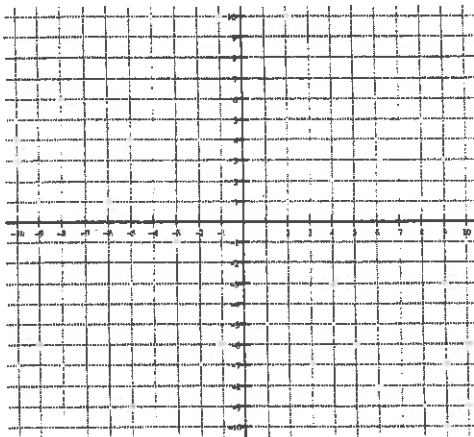
3. $2y < x - 1$



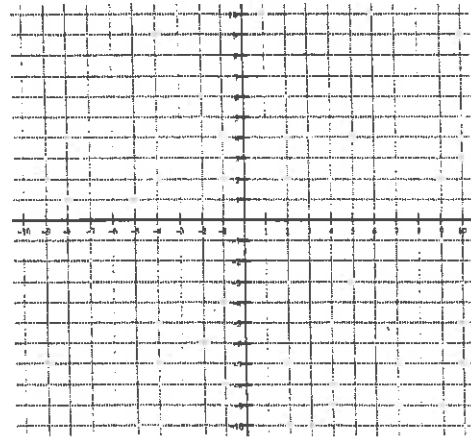
4. $3x \leq y - 6$



5. $9 - \frac{2}{3}x > y$



6. $2y + 4 > -2x + 8$



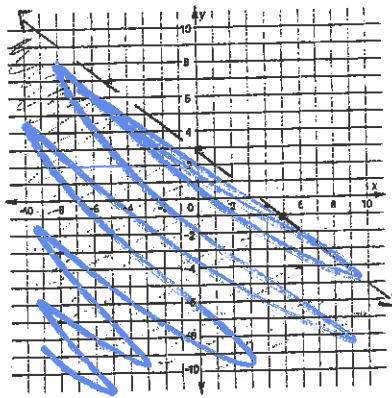
WS 2.3

Graphing Inequalities

Ditko
Key

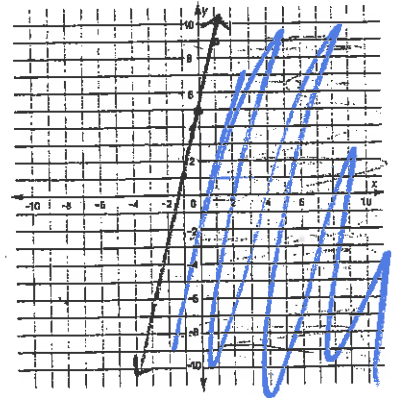
Graph the following inequalities.

1. $y > -\frac{4}{5}x + 3$



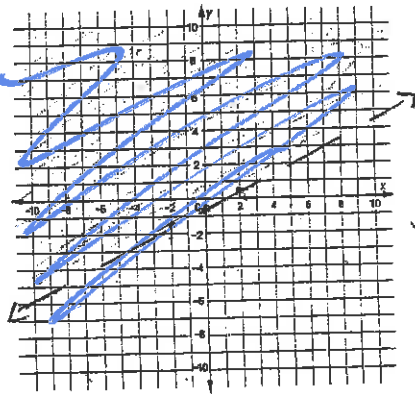
$0 > 7$
NO
 $0 > 3$ no!
(0,0)

2. $y \geq 5 + 4x$



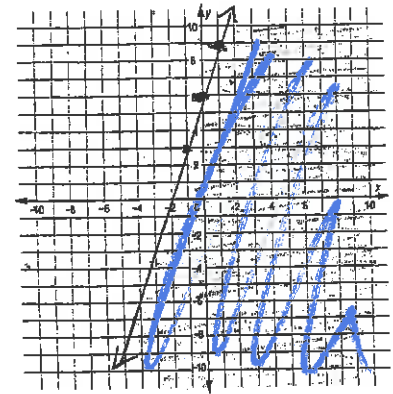
$0 \geq 5$
NO

3. $2y < x - 1$



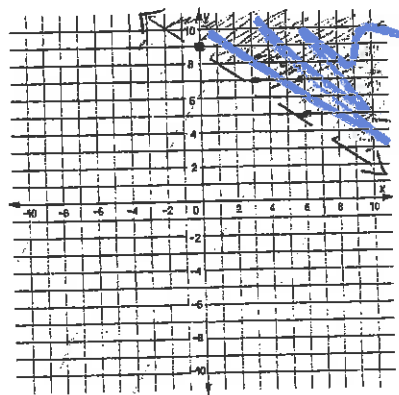
$y < \frac{1}{2}x - \frac{1}{2}$
 $0 < -\frac{1}{2}$
NO

4. $3x \leq y - 6$



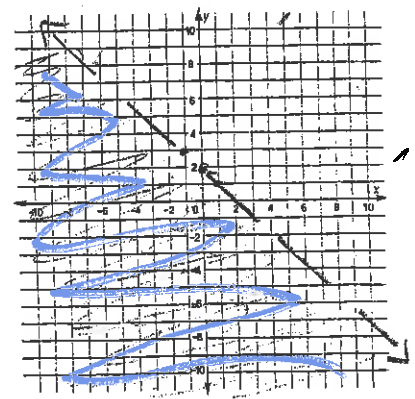
$y \geq 3x + 6$
 $0 \geq 6$
NO

5. $9 - \frac{2}{3}x > y$



$9 > 0$
yes

6. $2y + 4 > -2x + 8$



$2y > -2x + 4$
 $y > -x + 2$
 $0 > 2$
NO