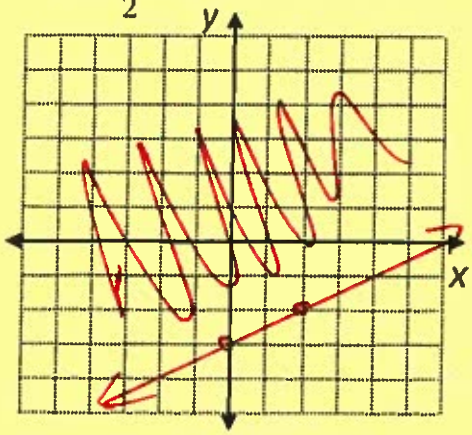
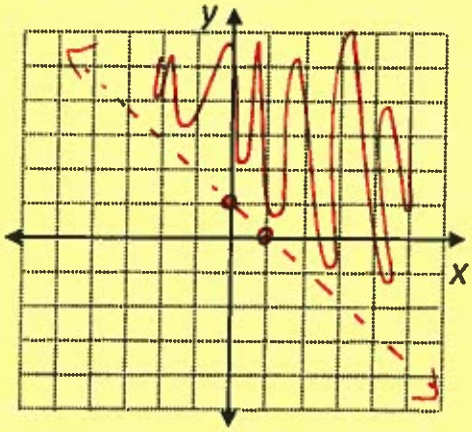
Name: Key

5.6 practice

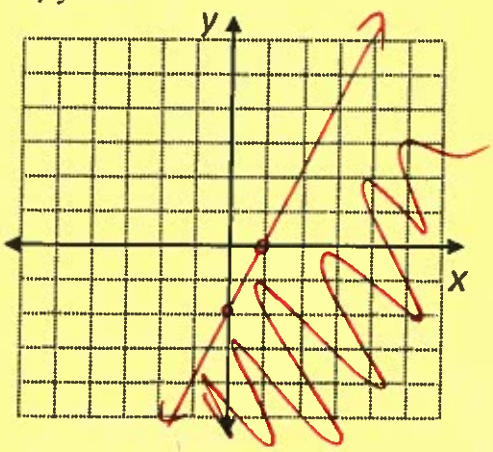
1) $y \geq \frac{1}{2}x - 3$



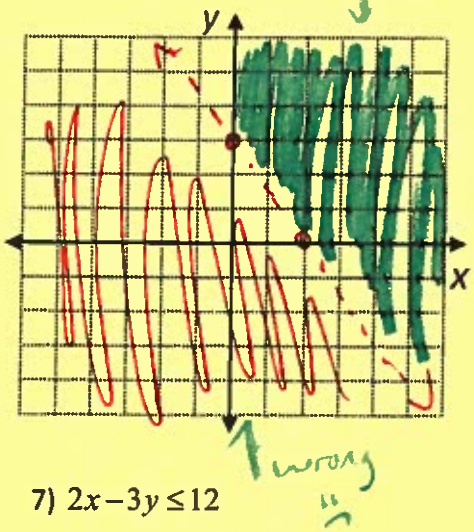
2) $x + y > 1$



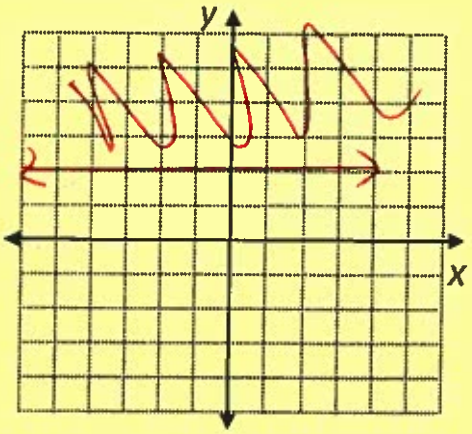
3) $y \leq 2x - 2$



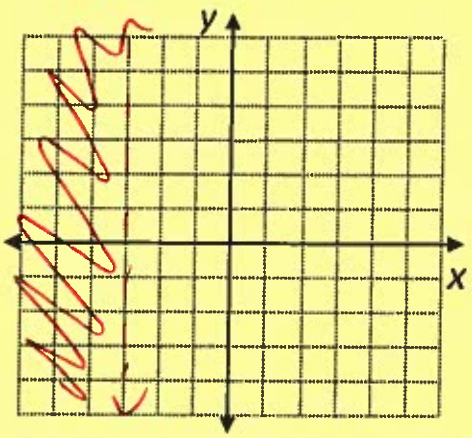
4) $3x + 2y > 6$



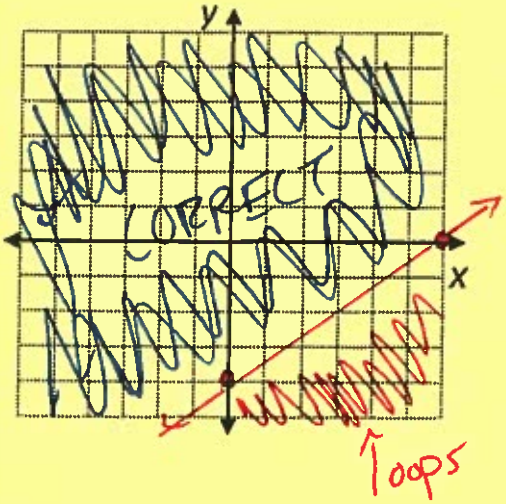
5) $y \geq 2$



6) $x < -3$



7) $2x - 3y \leq 12$

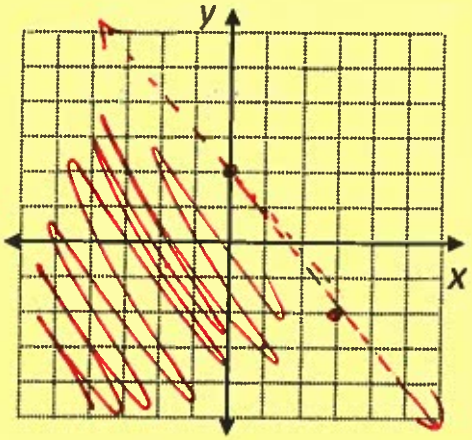


8) $5x + 3y < x + 6$

$-5x \quad -5x$

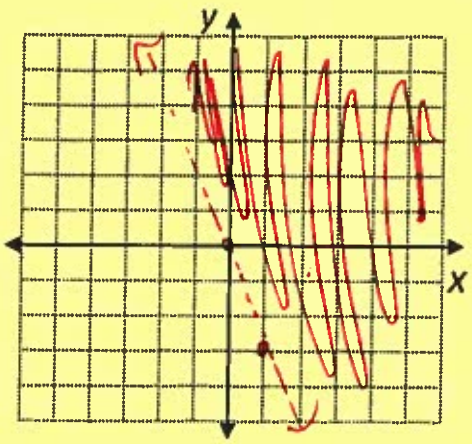
$\frac{3y}{3} < \frac{-4x}{3} + \frac{6}{3}$

$y < -\frac{4}{3}x + 2$



9) $3x + y > 0$

$y > -3x$



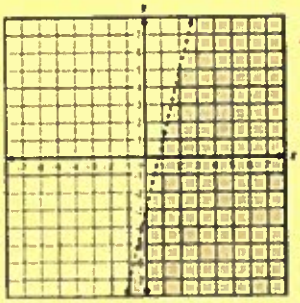
dashed

Multiple Choice Practice

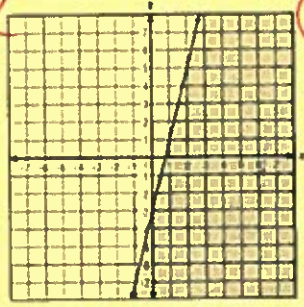
greater

1. Which of the following is the correct graph for $y > 4x - 3$.

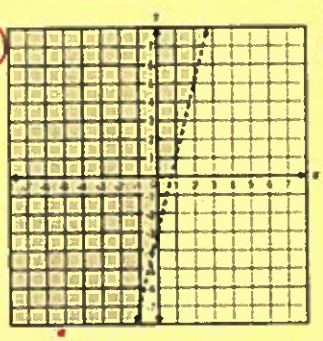
a.



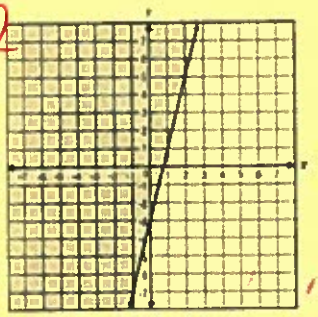
b.



c.



d.



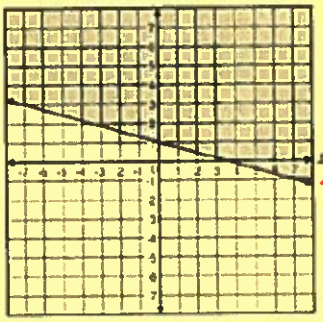
2. Which inequality is represented in this graph?

a. $2x + 7y \geq 7$

b. $2x + 7y \leq 7$

c. $2x + 7y > 7$

d. $2x + 7y < 7$



solid

Try (3,1) shaded work

a) $2(3)+7(1) \geq 7$ b) $2(3)+7(1)$

$13 \geq 7$ $13 \leq 7$

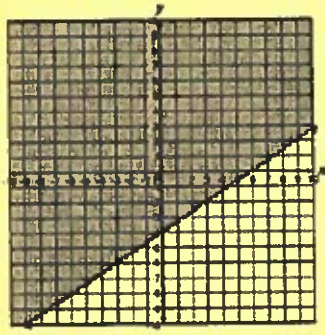
3. Which inequality describes the graph?

a. $2x - 3y > 12$

b. $2x - 3y < 12$

c. $2x - 3y > 4$

d. $2x - 3y < 4$



x-int: 6 > a or b.

y-int: -4

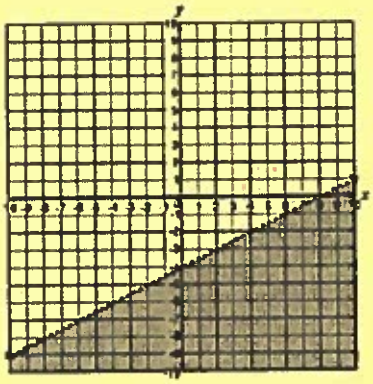
4. Which inequality describes the graph?

a. $y < \frac{1}{2}x - 4$

b. $y < -\frac{1}{2}x - 4$

c. $y > \frac{1}{2}x - 4$

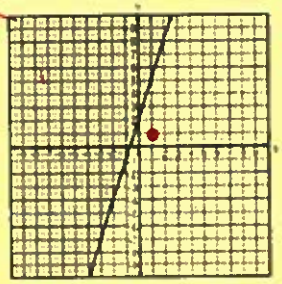
d. $y \geq \frac{1}{2}x - 4$



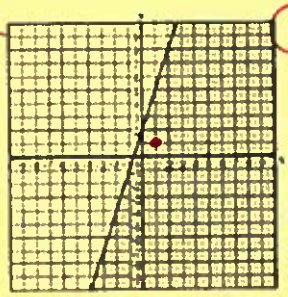
5. Which graph correctly represents $y - 1 \geq 3(x - 1)$?

through (1,1)

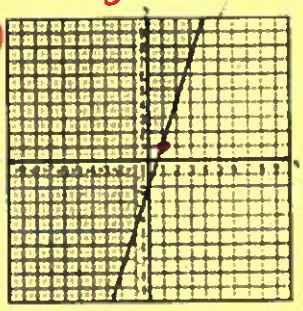
a.



b.



c.



d.