

Linear Inequalities

Date _____ Period _____

Sketch the graph of each linear inequality.

1) $5x - 3y < -15$

2) $2x + 3y \leq -6$

3) $2x + 5y > 20$

4) $y > -x + 3$

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

6) $y \leq -x - 1$

7) A poster at Wal-Mart costs \$4 each and a jumbo size bag of skittles cost \$8 each. Jimbob has at most \$32 in his wallet. Write and graph an inequality for Jimbob's buying power for skittles and posters.

8) A box of light bulb cost \$2 and a box of pens cost \$4 each. Jimmy can spend at most \$16 on these items. Write and graph an inequality for the cost of holiday light and extension cords.