

PRACTICE

Solve each inequality. Round to the nearest hundredth, if necessary.

1. $10x + 4 \geq -6$

2. $-3x - 21 > 16$

3. $\frac{x}{2} + 1 \geq 4\frac{1}{2}$

4. $\frac{x}{-5} + 11 < 15$

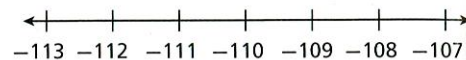
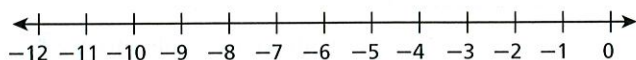
5. $1.5x - 2 \leq 16$

6. $0.2 > -1.2x - 5.1$

Solve each inequality. Then graph the solution set.

7. $-5x - 17 \leq 38$

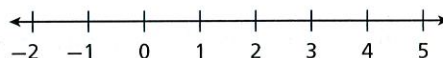
8. $42 < -\frac{y}{9} + 30$



9. Dominique has \$5.00. Bagels cost \$0.60 each and a small container of cream cheese costs \$1.50.

a. How many bagels can Dominique buy if she also buys one small container of cream cheese? Explain your answer.

b. Graph the solution set.



Yasmine and Alex each have \$200 to spend on clothes. Use the table for 10–11.

10. Yasmine decides to purchase a jacket and some long-sleeve shirts. How many long-sleeve shirts can she buy?

11. Alex wants to buy a jacket, 2 long-sleeve shirts, and some short-sleeve shirts. Can she buy at least 8 short-sleeve shirts? Explain.

Item	Price (\$)
Short-sleeve shirt	15
Long-sleeve shirt	20
Pair of jeans	30
Jacket	50