

Review Test #5B - Inequalities and Absolute Value

Name _____ Class _____

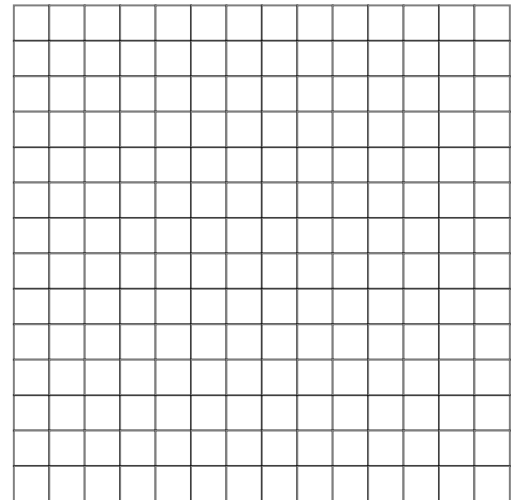
Solve the following absolute value equations.

1.) $3|3 - 5r| - 3 = 18$

2.) $x - 2 = 4x - 3 \left| \frac{x}{3} + 2 \right| = 2x + \frac{1}{4}$

3.) Marsha is buying plants and soil for her garden. The soil costs \$4 per bag and the plants cost \$10 each. She wants to buy at least 5 plants and can spend no more than \$100.

a.) Write and graph a system of inequalities to represent this situation.



b.) What is a possible combination of bags of soil and plants she can buy?