

Algebra Warm-ups:

21 Linear Equations and Inequalities

Name/Date _____

Linear Equations and Inequalities 21

Solve and state the solution set.



a. $|2a + 7| = 9$ _____

b. $|\frac{1}{3}b - 2| = 4$ _____

c. $|y - 4| > 6$ _____

d. $|2g - 9| \geq 1$ _____

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Linear Equations and Inequalities 22

Solve.

a. $2y - 1 = -3(2 + y)$ _____

b. $-3(x - 2) + 4 = 4(x + 1)$ _____

c. $5u - 14 = -5 + 8u$ _____

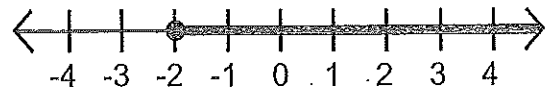
Name/Date _____

Linear Equations and Inequalities 23

Circle the sentence that best describes the graph.

a. $x \geq -2$ b. $x = -2$ c. $x < -2$

d. $x > -2$ e. $x \leq -2$



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Solve.

a. $4y + 6 < 2y - 6$ _____

b. $5x + 2 - 4x \geq 3$ _____

c. $8c < 56$ _____

d. $\frac{3}{4}b \geq -18$ _____

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Solve.

a. $3(m - 1) - 4 \leq 2 - 4(2 - m)$ _____

b. $-3 + 2r \neq 9 - 2r$ _____

c. $\frac{2}{3}b < -8$ _____

d. $-2.5x \leq 12.5$ _____