

Review Homework

Graphing Equations

Graph the following equations using the appropriate method, as discussed in the review.

1. $y = -\frac{5}{3}x + 2$

2. $3x + 2y = 12$

Solving Equations

Solve the following equations for x . Indicate how many, if any, solutions exist.

3. $3x + 7 = 12x + 2$

4. $6x - 2 = 6(x - 1) + 4$

5. $4(x + 1) = 2(2x + 1)$

Graphing Inequalities

Graph the following inequalities using the appropriate method

6. $3x - 2 \geq 5x - 7$

7. $3x + y \leq 2$

8. $y > -\frac{1}{3}x + 4$

Solving Systems of Equations

Solve the system by graphing

9. $\begin{cases} x + y = 1 \\ y = -x + 1 \end{cases}$

10. $\begin{cases} 2x + 3y = 11 \\ 6x + 9y = 2 \end{cases}$

11. $\begin{cases} -\frac{1}{4}x + y = 2 \\ 4x + y = 3 \end{cases}$