

Name _____

Solving Equations and Inequalities – Worksheet C

Solve the equation.

Check your answer!

1. $6w - 6 = 30$

2. $3(2 + 6n) = 18n$

3. $6(3 - a) \leq 8a - 10$

4. $y + 11 < 23$

5. $-12d \leq 96$

6. $-2 > \frac{x}{6}$

7. $6x - 5 > 12x + 1$

8. $\frac{y}{3} + 2 < 8$

9. $24 \geq 5k - 6$

10. $3(x - 8) < 12(x + 1)$

Solving Equations and Inequalities – Worksheet C Answers

Solve the equation.

Check your answer!

1. $6w - 6 = 30$ $w = 6$

2. $3(2 + 6n) = 18n$ No Solution

3. $6(3 - a) \leq 8a - 10$ $a \geq 2$

4. $y + 11 < 23$ $y < 12$

5. $-12d \leq 96$ $d \geq -8$

6. $-2 > \frac{x}{6}$ $x < -12$

7. $6x - 5 > 12x + 1$ $x < -1$

8. $\frac{y}{3} + 2 < 8$ $y < 18$

9. $24 \geq 5k - 6$ $k \leq 6$

10. $3(x - 8) < 12(x + 1)$ $x > -4$