

Solving Inequalities Practice

Name _____ Date _____
Team _____ Block _____

Solve each inequality.

1) $-3x < 5$

2) $2d + 6 \leq 2$

3) $5u - 11 > 9 + 7u$

4) $-\frac{w}{3} + 8 \leq 5$

5) $\frac{3 - 3c}{2} < -6$

6) $7 - 2(3g - 8) \leq -1$

7) $2 - 4(w + 1) \geq 6w + 8$

8) $7k - 4(3 - k) \geq 5k - 3 - 6k$

Review

9) Simplify: $9g - 6 + 7g - 8 - 2g$

10) Solve for x : $r = x(t_1 - t_2) - 4yhk$

11) The sum of three consecutive odd integers is -135 . What is the product of 2 and the smallest?

12) The length of a rectangle is five less than four times the width. If the perimeter is 50 feet, find the length and width of the rectangle.

13) The area of a triangle is given by the formula $A = \frac{1}{2}bh$. Find the height if the base is 30 and the area is 240.**Challenge:** The first side of a triangle is 3 inches shorter than the second side. The third side is twice as long as the first side. If the perimeter is 19 inches, what is the length of all three sides?