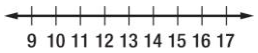
NAME _____ PERIOD _____ USE A SEPARATE PAPER TO SHOW YOUR WORK

Chapter 5 Practice Test, Form 2C

1. Solve $x - 12 > 1$. Then graph your solution on a number line. **1.** _____



Solve each inequality.

2. $7 + z < 3$ **2.** _____

3. $\frac{b}{8} > -\frac{1}{5}$ **3.** _____

4. $\frac{t}{6} \geq 14$ **4.** _____

5. $-19.8 \geq 3.6y$ **5.** _____

6. $-4r < 22$ **6.** _____

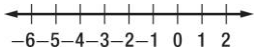
7. $4x - 5 < 2x + 11$ **7.** _____

8. $5(p + 2) - 2(p - 1) \geq 7p + 4$ **8.** _____

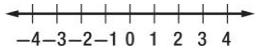
9. $1.3(c - 4) \leq 2.6 + 0.7c$ **9.** _____

Solve each compound inequality. Then graph the solution set.

10. $3w < 6$ and $-5 < w$ **10.** _____



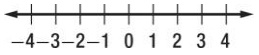
11. $-4 \leq n$ or $3n + 1 < -2$ **11.** _____



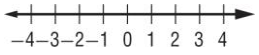
12. $-4x - 8 \geq -4$ or $7x - 5 < 16$ **12.** _____

For Questions 13 and 14, solve each inequality. Then graph the solution set.

13. $|1 - x| \leq 2$ **13.** _____



14. $|3 - 2x| \geq 1$ **14.** _____



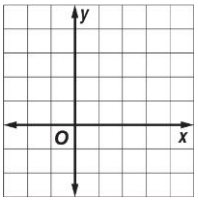
NAME _____ DATE _____ PERIOD _____

Chapter 5 Practice Test, Form 2C *(continued)*

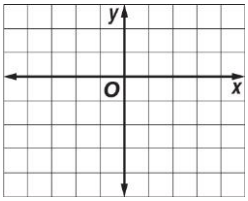
15. Solve $|8x + 2| < 14$. **15.** _____

16. Ian has \$6000. He wants to buy a car within \$1500 of this amount. Define a variable, write an open sentence, and find the range of car prices. **16.** _____

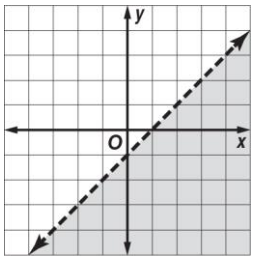
17. Graph $y > -\frac{1}{3}x + 2$. **17.**



18. Graph $2x - 3y \leq 6$. **18.**



19. What inequality has the solution set shown in the graph?



19. _____

20. EXPENSES Camille has no more than \$20.00 to spend each week for lunch and bus fare. Lunch costs \$3.00 each day, and bus fare is \$0.75 each ride. Write an inequality for this situation. Can Camille buy lunch 5 times and ride the bus 8 times in one week? **20.** _____