NAME _____ DATE _____ PERIOD _____

Test, Form 3A

SCORE _____

Solve each equation. Check your solution.

1. $x + 17.3 = -4.7$ **1.** _____

2. $21.8 - g = 9.5$ **2.** _____

Solve. Use any strategy.

3. **BASEBALL** The number of infielders on a baseball team is one less than three times the number of pitchers. If there are eleven infielders, how many pitchers are there? **3.** _____

4. **MONEY** Three children each had the same amount of money in their savings accounts. One of the children withdrew a quarter of her money and spent it all on a $25 T-shirt. What was the total amount of money originally in the accounts? **4.** _____

Solve each equation. Check your solution.

5. $2.9a = 11.6$ **5.** _____

6. $-3.1u = 7.75$ **6.** _____

7. $6m + 2.3 = -9.7$ **7.** _____

8. $3.6 = -2p + 5.8$ **8.** _____

9. $\frac{x}{4} - 7 = -2$ **9.** _____

10. $2x + 6 = -4x$ **10.** _____

11. $x - 17 = 2x + 3$ **11.** _____

12. $21 - 6x = -11 - 14x$ **12.** _____

Find the multiplicative inverse of each number.

13. $\frac{2}{9}$ **13.** _____

14. $3\frac{1}{3}$ **14.** _____

15. 11 **15.** _____

NAME _____ DATE _____ PERIOD _____

Test, Form 3A *(continued)*

SCORE _____

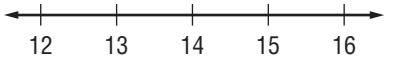
Express an equivalent equation for each equation.

16. $x - 11 = 2x + 3$ **16.** _____

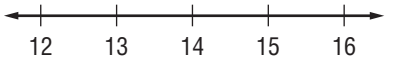
17. $4 - 3x = 19 + 8x$ **17.** _____

Solve each inequality. Graph the solution on a number line.

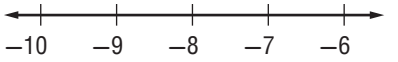
18. $y + 6 > 20$ **18.** _____



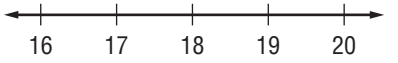
19. $w - 11 \leq 3$ **19.** _____



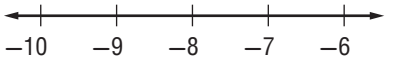
20. $5k \geq -45$ **20.** _____



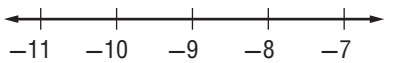
21. $-2q < -34$ **21.** _____



22. $\frac{p}{-1} > 7$ **22.** _____



23. $\frac{b}{3} + 5 \leq 2$ **23.** _____



Write and solve an equation for Exercises 24 and 25.

24. PEACHES Helen went to the grocery store. She bought 6 peaches and a loaf of bread. The bread cost $2.25. If Helen spent $7.05, how much did each peach cost? **24.** _____

25. TELEVISION Cleaven bought a big screen television for $1,620. He put $300 down and paid $55 per month. How many months did it take him to pay for the television? **25.** _____

26. TEXT MESSAGES It costs Guido $0.20 to send a text message from his cell phone. If he has a total of $4 that he can spend this month on text messages, write and solve an inequality that will give the greatest number of text messages that he can send. **26.** _____