SCORE
$1. \frac{s = Susan's}{age;}$ $2s - 5 = 51$
$2. \frac{2b + 56.8}{180.4; 61.8g}$
3. $\frac{3t+15=90}{\$25}$
4. <u> </u>
5. <u>1</u> 10
65
72
87 <u>1</u>
_{9.} –2.2

10. An online movie streaming plan charges an annual fee of \$45 plus \$2.50 per movie watched. Another plan has no annual fee but charges \$3.75 per movie watched. For how many movies is the cost of the plans the same?

10. <u>36 movies</u>

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Test, Form 3A (continued)

11. Find the value of x so that the polygons have the same perimeter



DATE

Solve each equation. 12. $-50 = -2(a + 3)$	12. 22
13. $4(x - 2) = 2(x - 4) + 2x$	13. <u>all real</u> numbers
14. $5(y-2) - 2 = 2(y+1) - 5$	14. 3

15. -4(p + 1) = 2(8 - 2p)

16. The table shows the number of points scored by three players in last night's basketball game. If Gil and Darby scored the same number of points, how many points did Josiah score?

Player	Points
Josiah	x
Darby	2x + 8
Gil	3x - 4

16. 12 points

nullset

15.

17. The table shows the number of tulip bulbs Chloe and Grady planted. If they each planted the same number of bulbs, how many did each plant?

Name	Number of Bulbs Planted
Chloe	3(t + 1)
Grady	3(2t - 3)

- 17. 15 bulbs
- **18.** Tony and some friends went to the movies. They bought 4 drinks and 2 tubs of popcorn and spent a total of \$32.50 on the food. Each drink costs \$3.50 less than a tub of popcorn.
 - **a.** Define a variable. Write an equation that can be used to find the cost of one tub of popcorn.
 - **b.** Solve the equation to find the cost of a tub of popcorn.



PERIOD