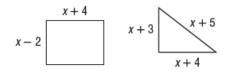
NAME	DATE	PERIOD
Test, Form 3A		SCORE
 Susan is 5 years older than her sister a variable. Then write an equation the 	•	1
2. Two beakers plus their contents have mass of the contents is 56.8 grams. W the mass of one beaker.		2
3. At a concert, you purchase 3 T-shirts cost of \$90. The program costs \$15 a Write and solve an equation to find the find the solve and solve an equation to find the solve and solve an equation to find the solve and solve and solve an equation to find the solve a	nd the T-shirts all cost the same.	3
Solve each equation.		
4. −1.4 <i>d</i> = 0.7		4
5. $1\frac{2}{3}m + 2 = 2\frac{1}{6}$		5
6. $-14.2 = -4.2g + 6.8$		6
7. $-w = -10 + 4w$		7
8. $\frac{3}{4}n = -1\frac{3}{4}n - 18$		8
9. -3.6 <i>b</i> - 7.2 = -12.7 - 6.1 <i>b</i>		9
10. An online movie streaming plan charges\$2.50 per movie watched. Another p charges \$3.75 per movie watched. For of the plans the same?	lan has no annual fee but	10

Test, Form 3A (continued)

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



Solve each equation.

12. $-50 = -2(a + 3)$	12.
13. $4(x-2) = 2(x-4) + 2x$	13
14. $5(y-2) - 2 = 2(y+1) - 5$	14

Player

Josiah

Darby

Gil

DATE PERIOD

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

- 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?
- 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?

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Name	Number of Bulbs
Chloe	3(<i>t</i> + 1)
Grady	3(2t-3)

Points

x

- **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.

18a.

18b.

2x + 83x - 416._____

15._____

17._____

SCORE _____

11.