Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_

Verbal Expressions: Equations with Variables on Both Sides: HW

*Write each equation and then solve each word problem*

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| Word Problem: | Variable Assignment and Equation | Check: |
| Three times a number decreased by four is the same thing as four times the sum of the same number and 6. What is the number?  |  |  |
| Suzy bought 6 t-shirts for the same price and a skirt for $10. Lilly bought one of the same t-shirts and spent $25 on a dress. If they each spent the same amount of money, how much did each t-shirt cost? |  |  |

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| Word Problem: | Variable Assignment and Equation | Check: |
| David can purchase 13 notebooks and a $8 pack of pens for the same price as 8 notebooks, a $3 pack of pens, and a $26 backpack. How much does each notebook cost?  |  |  |
| Darnel works at Bob Evens. Last weekend, he worked 7 hours and earned $29 in tips. This weekend, he worked 12 hours, but had two families walk out on him, making him owe $16. If he earned the same amount each weekend, how much did he earn per hour?  |  |  |