

SPARK Hybrid Education Center

Mathematics | Week 1: What is a Variable? | Lower Level

Name: _____ Date: _____

Directions: Solve each problem. Show your work in the space provided. Circle your final answer.

1. Write an algebraic expression: 'seven more than a number n '.

2. Write: 'three times a number decreased by 4'.

3. Evaluate $2x + 5$ when $x = 6$.

4. Evaluate $3a - b$ when $a = 4$, $b = 2$.

5. Translate: 'the product of 5 and y , plus 8'.

6. Evaluate $n^2 + 2n$ when $n = 3$.

7. Write: 'half of a number plus 10'.

8. Evaluate $4(x - 2)$ when $x = 7$.

--- Answer Key (Cut before distributing) ---

1. $n + 7$
2. $3n - 4$
3. 17
4. 10
5. $5y + 8$
6. 15
7. $n/2 + 10$
8. 20

