

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

## Homework 1/14

### Solving Algebraic Equations

**Directions:** Find the value of the variable by using the method you prefer (Cover up, working backwards, or guess and check).

*Reminder:* When a variable and number are next to each other it means multiplication. An example of this is 8B means  $8 \times B$ .

1)  $2J + 5 = 25$                        $J =$  \_\_\_\_\_

2)  $20 = 3P - 1$                        $P =$  \_\_\_\_\_

3)  $2E - 4 = 22$                        $E =$  \_\_\_\_\_

4)  $7 + 2S = 29$                        $S =$  \_\_\_\_\_

5)  $100 = (20 + N) \times 4$                        $N =$  \_\_\_\_\_

6)  $3K \div 2 = 9$                        $K =$  \_\_\_\_\_

7)  $50 = (19 + Q) \times 2$                        $Q =$  \_\_\_\_\_

8)  $8C \div 4 = 6$                        $C =$  \_\_\_\_\_

9)  $27 = 3W + 12$                        $W =$  \_\_\_\_\_

10)  $19 = 3 \times 6 + B$                        $B =$  \_\_\_\_\_