

Name: _____

Homework 1/17

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) $19 = 3 \times 6 + B$ $B =$ _____