

Substituting Values into Expressions

Name: _____

Date: _____

Instructions:

Replace the variable with the given number and calculate the answer. Show your working.

Example: If $n = 4$, find $3n + 5 \rightarrow 3 \times 4 + 5 = 12 + 5 = 17$

Part A: Find the value of each expression when $n = 6$

1. $n + 8 =$ _____

2. $2n =$ _____

3. $3n + 4 =$ _____

4. $5n - 10 =$ _____

5. $4n + 7 =$ _____

6. $20 - n =$ _____

Part B: Find the value of each expression when $x = 5$

1. $x + 12 =$ _____

2. $6x =$ _____

3. $2x + 9 =$ _____

4. $4x - 5 =$ _____

5. $10x + 3 =$ _____

6. $50 - 3x =$ _____

Part C: Find the value of each expression when $a = 10$

1. $a - 7 =$ _____

2. $3a =$ _____

3. $2a + 15 =$ _____

4. $5a - 20 =$ _____

5. $a + 2a =$ _____

6. $100 - 4a =$ _____

Part D: Mixed Practice - Substitute the given value

1. If $b = 8$, find $3b + 6 =$ _____

2. If $y = 4$, find $5y - 8 =$ _____

3. If $m = 7$, find $2m + 10 =$ _____

4. If $p = 3$, find $6p + 1 =$ _____

5. If $t = 12$, find $4t - 20 =$ _____

Challenge Question ★

If $k = 9$, find the value of $2k + 3k =$ _____