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## Simplifying Expression Worksheet

Simplify the algebraic expression using the value allocated to the variable:

1.  $18 - x$  at  $x = 9$

2.  $8/m + 3$  at  $m = 1$

3.  $(z/3 + 4)/2$  at  $z = 3$

4.  $b^2 + b^4$  at  $b = 4$

Simplify the following expressions:

5.  $-6z - 3z - 4 + 6z$

6.  $-18(b - 7) + 20(b + 10)$

7.  $8x + 2b + 12x - 2b(8x + 3b)$

8.  $(4a + 4b)/2ab$

9.  $9z + 12x + 17x - (3z + 4x)$

10. Can the solution of simplified expression be 1?

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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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