Algebraic expressions (2 or more variables)

Grade 5 Pre-Algebra Worksheet

Evaluate the following expressions for **a = 10**, **b = 8** and **c = 4.**

1. b^2 _____

2. $5a^2$ _____

3. $2a^2c$ _____

4. $(b - c)^2$ _____

5. $c^3 - 4$ _____

6. $a^3 - 3c$ _____

7. $\frac{6a}{c} + 4$ _____

8. $19 - 3c$ _____

9. $a^2 - b^2 + 3$ _____

10. $\frac{6a}{c - 1} + b$ _____

11. $100bc$ _____

12. $(\frac{2a}{b - 3})^3$ _____

13. $a^2 - b + 6$ _____

14. $\frac{ac}{b} + \frac{2b}{c}$ _____

15. $15 - 2c + b$ _____

16. $\frac{b^2}{c}$ _____

17. $(16 - b)^2 - a$ _____

18. $\frac{a^3}{b - 3}$ _____

19. $2a + 3b - 4c$ _____

20. $b^2 - 20$ _____

Answers

1. $b^2 = 64$
2. $5a^2 = 500$
3. $2a^2c = 800$
4. $(b - c)^2 = 16$
5. $c^3 - 4 = 60$
6. $a^3 - 3c = 988$
7. $\frac{6a}{c} + 4 = 19$
8. $19 - 3c = 7$
9. $a^2 - b^2 + 3 = 39$
10. $\frac{6a}{c - 1} + b = 28$
11. $100bc = 3\ 200$
12. $(\frac{2a}{b - 3})^3 = 64$
13. $a^2 - b + 6 = 98$
14. $\frac{ac}{b} + \frac{2b}{c} = 9$
15. $15 - 2c + b = 15$
16. $\frac{b^2}{c} = 16$
17. $(16 - b)^2 - a = 54$
18. $\frac{a^3}{b - 3} = 200$
19. $2a + 3b - 4c = 28$
20. $b^2 - 20 = 44$