Name ..... Date .....

Algebra: Evaluating Algebraic Expressions

HW

Evaluate each algebraic expression.

n + 12 for n = 10
10 + 12 = 22

1. Replace the variable with the number.
2. Do the computation.

TIP: *Remember to work inside parentheses first.*

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1. 25 – x for x = 15

2. a ÷ 5 for a = 35

3. x + 36 for x = 20

4. r + 26 for r = 9

5. b – 15 for b = 40

6. x ÷ 9 for x = 36

7. a × 4 for a = 6

8. 17 – a for a = 17

9. (x + y) – 4 for x = 10 and y = 6

10. (5 × a) + 7 for a = 4

11. (a – 2) × b for a = 8 and b = 6

12. 2 + x + 10 for x = 9

13. (3 × c) + 4 for c = 5

14. 20 – (a ÷ 2) for a = 6

15. 7 × (6 – x) for x = 3

16. (2 × a) + b for a = 5 and b = 6

Evaluate each algebraic expression for x = 2, y = 4 and z = 7.

17. (x + y) + 10

18. y + (z – x)

19. y ÷ x + z

20. 8 × (z – y)

21. x + (y – 3)

22. z – x

23. z – y + 9

24. x + y + z