

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. $a \div 5$ for $a = 35$ |
| 3. $x + 36$ for $x = 20$ | 4. $r + 26$ for $r = 9$ |
| 5. $b - 15$ for $b = 40$ | 6. $x \div 9$ for $x = 36$ |
| 7. $a \times 4$ for $a = 6$ | 8. $17 - a$ for $a = 17$ |
| 9. $(x + y) - 4$ for $x = 10$ and $y = 6$ | 10. $(5 \times a) + 7$ for $a = 4$ |
| 11. $(a - 2) \times b$ for $a = 8$ and $b = 6$ | 12. $2 + x + 10$ for $x = 9$ |
| 13. $(3 \times c) + 4$ for $c = 5$ | 14. $20 - (a \div 2)$ for $a = 6$ |
| 15. $7 \times (6 - x)$ for $x = 3$ | 16. $(2 \times a) + b$ for $a = 5$ and $b = 6$ |

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

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|--------------------|------------------------|
| 17. $(x + y) + 10$ | 18. $y + (z - x)$ |
| 19. $y \div x + z$ | 20. $8 \times (z - y)$ |
| 21. $x + (y - 3)$ | 22. $z - x$ |
| 23. $z - y + 9$ | 24. $x + y + z$ |

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