

Practice 1-3

Writing and Evaluating Expressions

Evaluate each expression.

1. xy , for $x = 3$ and $y = 5$ _____
2. $24 - p \cdot 5$, for $p = 4$ _____
3. $5a + b$, for $a = 6$ and $b = 3$ _____
4. $6x$, for $x = 3$ _____
5. $9 - k$, for $k = 2$ _____
6. $63 \div p$, for $p = 7$ _____
7. $2 + n$, for $n = 3$ _____
8. $3m$, for $m = 11$ _____
9. $10 - r + 5$, for $r = 9$ _____
10. $m + n \div 6$, for $m = 12$ and $n = 18$ _____
11. $1,221 \div x$, for $x = 37$ _____
12. $10 - x$, for $x = 3$ _____
13. $4m + 3$, for $m = 5$ _____
14. $35 - 3x$, for $x = 10$ _____
15. $851 - p$, for $p = 215$ _____
16. $18a - 9b$, for $a = 12$ and $b = 15$ _____
17. $3ab - c$, for $a = 4$, $b = 2$, and $c = 5$ _____
18. $\frac{ab}{2} + 4c$, for $a = 6$, $b = 5$, and $c = 3$ _____
19. $\frac{rst}{3}$, for $r = 9$, $s = 2$, and $t = 4$ _____
20. $x(y + 5) - z$, for $x = 3$, $y = 2$, and $z = 7$ _____
21. Elliot is 58 years old.
 - a. Write an expression for the number of years by which Elliot's age exceeds that of his daughter, who is y years old. _____
 - b. If his daughter is 25, how much older is Elliot? _____
22. A tree grows 5 in. each year.
 - a. Write an expression for the tree's height after x years. _____
 - b. When the tree is 36 years old, how tall will it be? _____

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