ARITHMETIC OPERATIONS ON A COMPUTER EXERCISES

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Exercises. In these exercises, assume single letters represent variables.

In exercises 1 through 10, evaluate the expression.

1. $1+2*3$
2. $(1+2)*3$
3. $(4+3)\wedge 2$
4. $4+3\wedge 2$
5. $5*6\wedge 2$
6. $(5*6)\wedge 2$
7. $1+2*4-10/2$
8. $(1+2)*4-10/2$
9. $(1+2)*(4-10)/2$
10. $1+(2*4)+(10/2)$

In exercises 11 through 18, write the algebraic expression as an in-line expression.

11. $a^2-2ab+b^2$
12. $\dfrac{a}{a+1}$
13. $P(1+r)^t$
14. $P(1+\dfrac{R}{n})^{nT}$
15. $\dfrac{a+b}{a-b}$
16. $\dfrac{a+b}{a}+b$
17. $a+\dfrac{b}{a-b}$
18. $a+\dfrac{a}{b}-b$

In exercises 19 through 26, write the in-line expression as a built-up algebraic expression.

19. $b\wedge 2-4*a*c$
20. $p*(1+r)\wedge t-p$
21. $(b-a)/a*100$
22. $a/2-b/3$
23. $x+y/z+w$
24. $(x+y)/z+w$
25. $x+y/(z+w)$
26. $(x+y)/(z+w)$