

Name _____

PEMDAS

Simplify each expression by following the correct order of operations and applying the exponents before other operations.

1) $3^2 + 2^3 - 4^1$ _____ 13	2) $4^2 \times 2^3 + 3^1$ _____ 131
3) $5^2 \div 5^1 + 4^1$ _____ 9	4) $2^5 - 3^2 + 5^1$ _____ 28
5) $6^2 + 3^2 - 2^2$ _____ 59	6) $2^4 + 3^2 \times 2^1 - 5^2$ _____ 9
7) $7^2 - 2^3 + 3^2 \times 2^1$ _____ 59	8) $4^3 \div 2^2 + 5^2 - 3^2$ _____ 32
9) $3^4 - 2^3 + 4^2 \div 2^1$ _____ 81	10) $5^3 \div 5^2 + 2^4 - 3^2$ _____ 12
11) $6^2 \times 2^3 + 3^3 - 4^2$ _____ 299	12) $2^5 + 4^2 \div 2^1 - 3^3$ _____ 13
13) $2^6 - 4^2 + 3^3 \times 2^1$ _____ 102	14) $3^3 \div 3^2 + 5^2 - 2^3$ _____ 20
15) $4^2 \times 3^2 + 2^3 - 5^1 + 7^1$ _____ 154	16) $5^3 - 2^4 + 3^3 \times 2^1 - 4^1$ _____ 159
17) $6^2 \div 3^1 + 2^4 \times 3^2 - 5^1$ _____ 151	18) $3^3 + 4^2 \div 2^1 + 5^2 - 2^3$ _____ 52