

Simplify each expression.

1. $8 + 5(7)$

2. $6 + 2(3)^2$

3. $3 + 2 \cdot 3^2 - 1$

4. $\left(\frac{21}{3}\right)^2 - 2 \cdot 3$

5. $3^4 - 2^4 \div 2^2$

6. $[(32 \div 16)^3 - 6]^4$

7. $\frac{8-2 \cdot 2}{12 \div 2}$

8. $\left(\frac{2(-2)}{12-4 \cdot 2}\right)^3$

Evaluate each expression for the given values of the variables.

9. Evaluate $2(m + 1) - n^3$ when $m = -2$ and $n = 3$

10. Evaluate $-2[(a - 3)^2 + b]^2$ when $a = 4$ and $b = 2$