

Order of Operations & Evaluating Expressions

Find the value of each expression:

① $3 - 4 \cdot 2$

② $10 \div 5 \cdot 2 + 1$

③ $6 - 3(2 - 1)$

④ $6(5) - 3(2)$

⑤ $20 - 4(3^2 - 5)$

⑥ $3(4 - 3 \cdot 2) - 5$

⑦ $10 - 2(4^2 + 3 \cdot 2^2)$

⑧ $\frac{4 + 2 \cdot 3}{2^3 + 1}$

Evaluate each expression if $x = -1$, $y = 2$, $w = 3$:

⑨ $3x - y$

⑩ $w^2 - xy$

⑪ $4w - y^2x$

⑫ $xy - yw$

⑬ $y^2 + w^3$

⑭ $y + 2(y - w)$

Answers:

① -5

② 5

③ 3

④ 24

⑤ 4

⑥ -11

⑦ -46

⑧ $\frac{10}{9}$

⑨ -5

⑩ 11

⑪ 16

⑫ -8

⑬ 31

⑭ 0