

## Order of Operations and Expressions

**Evaluate each expression.**

1)  $5 \times 2^2$

2)  $2 + 3 \times 3$

3)  $(6 \div 3)^3$

4)  $12 \div (2 + 1)$

5)  $2 + 2 \times 2 + 1 + 1$

6)  $5 \times 2 - 2 + 6 \div 2$

7)  $8 \div (4 - (6 - 4)) + 5$

8)  $5 + (2 + 1)^2 + 5$

9)  $\frac{15 \times 2}{5} - 3$

10)  $\frac{12}{6} + 3 - 1$

11)  $5 - (3 + 2) + 6$

12)  $3 \times 3 \times 4 - 5$

13)  $\frac{15}{4 + 5 - 4}$

14)  $(1 + 6)(4 - 3)$

15)  $\frac{5}{6 - (4 - 3)}$

16)  $(3 + 3^2) \times 2$

17)  $2 \times \frac{10}{6 - 4}$

18)  $6 - (4 - 2) + 3$

**Evaluate each using the values given.**

19)  $p^3 + m$ ; use  $m = 5$ , and  $p = 1$

20)  $b(a + b)$ ; use  $a = 1$ , and  $b = 5$

21)  $(j - h)^2$ ; use  $h = 2$ , and  $j = 6$

22)  $xy - 5$ ; use  $x = 3$ , and  $y = 4$

23)  $mn + n$ ; use  $m = 4$ , and  $n = 6$

24)  $q - 3p$ ; use  $p = -1$ , and  $q = 4$

25)  $y^2 + x$ ; use  $x = 3$ , and  $y = -1$

26)  $m + pm$ ; use  $m = -5$ , and  $p = 4$

27)  $y - x^2$ ; use  $x = -6$ , and  $y = -1$

28)  $5yx$ ; use  $x = -1$ , and  $y = -1$

29)  $h - j^2$ ; use  $h = \frac{1}{5}$ , and  $j = 2$

30)  $\frac{y}{2} - x$ ; use  $x = 2$ , and  $y = -2$

31)  $p(q + q)$ ; use  $p = \frac{1}{2}$ , and  $q = 1$