

Do on separate sheet. You must show work!!!

Name _____

1-7 Evaluating Expressions_hw

Date _____ Period _____

Evaluate each expression using the values given.

1) $m^2 - (-5 + p)$; use $m = -3$, and $p = 1$

3) $y(y \div 6 - x)$; use $x = 3$, and $y = -6$

5) $p(p + 4) - m$; use $m = -3$, and $p = -2$

7) $r + rpq$; use $p = 2$, $q = -2$, and $r = -6$

9) $x - 2(-4 - y)$; use $x = 6$, and $y = 1$

11) $(-2)^3 - np$; use $n = -4$, and $p = 5$

13) $y^2z + 5z$; use $y = -3$, and $z = -4$

15) $|a| + c - |c|$; use $a = 2$, and $c = -5$

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

19) $-6 - 3 + z(x + 4)$; use $x = 4$, and $z = 3$

21) $p \div 4 + n - n^2$; use $n = 6$, and $p = -4$

23) $-3k + |j| - 1$; use $j = -6$, and $k = -1$

25) $p + m - (p - n) + 2 - n$; use $m = -6$, $n = 1$, and $p = -5$

26) $6(z + y - (x + z)^3)$; use $x = -1$, $y = -3$, and $z = 2$

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

29) $5(p^2 + q + m) - m$; use $m = 1$, $p = 3$, and $q = 1$

30) $j(h - h + h(h + h))$; use $h = -1$, and $j = -5$

32) $x(|2| - (y + z - y))$; use $x = -3$, $y = -1$, and $z = -1$

33) $q + q + 4 + 2|r|$; use $q = -4$, and $r = 6$

35) $y(x - (z - x)) - |z|$; use $x = -1$, $y = -5$, and $z = 2$

36) $q + 1 - (-5 + r) - 2q$; use $q = -3$, and $r = -1$

38) $z - y^2 + (x + z) \div 2 - x$; use $x = 1$, $y = 4$, and $z = 1$

39) $3 + rq - (r + r(-1 + p))$; use $p = -3$, $q = 3$, and $r = -3$

40) $(x + 2 - z) \div 5 + z^2y$; use $x = -1$, $y = -1$, and $z = -4$

41) $(-3 + z)(2 - (y + y)) + z - 6$; use $y = 2$, and $z = -1$

42) $(r + q^2 + q - (p - p)) \div 6$; use $p = -5$, $q = 6$, and $r = 6$

43) $m^2 - q - (|m + p| - p)$; use $m = 6$, $p = -5$, and $q = -2$

44) $q - 3 + p^2 + m - m^2$; use $m = -5$, $p = -1$, and $q = -5$

45) $y(x - (2 - x - z)) + z + x$; use $x = -3$, $y = 6$, and $z = 4$

46) $y - (-1 - 3 + x - (y - z)) + z$; use $x = 5$, $y = -1$, and $z = -5$

47) $p - 2 - (r + 2(r - r)) - 2$; use $p = -5$, and $r = 3$

48) $c + a - (2(c + b)^3 + 6)$; use $a = -6$, $b = -3$, and $c = 1$

2) $a + (ab)^2$; use $a = -4$, and $b = -1$

4) $p + 5 - n - p$; use $n = -6$, and $p = 4$

6) $y + xy + x$; use $x = -1$, and $y = -2$

8) $y + |x - z|$; use $x = 4$, $y = 6$, and $z = -1$

10) $m - p|-2|$; use $m = 5$, and $p = -3$

12) $c - (-5 + a) \div 3$; use $a = 2$, and $c = 2$

14) $k(h + k + |k|)$; use $h = -2$, and $k = -4$

16) $(x + 2 - 3) \div 6 - y$; use $x = -5$, and $y = 6$

18) $y - (12y + x)$; use $x = 3$, and $y = -3$

20) $|b| + 2 \div 2 + a$; use $a = 4$, and $b = 5$

22) $x(y + |y| - x)$; use $x = -2$, and $y = -4$

24) $4 \div 4 - (2 - y) - x$; use $x = 3$, and $y = -3$

28) $y((-5 + 1)^2 - x - 4)$; use $x = 3$, and $y = 3$

31) $m + |-1| - 6 + p - m$; use $m = 5$, and $p = -2$

34) $z \div 4 - |x + 2| - z$; use $x = 3$, and $z = -4$

37) $-6 + |yz| - (-6 - |y|)$; use $y = 2$, and $z = -5$

Answers to 1-7 Evaluating Expressions_hw

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|---------|---------|---------|---------|
| 1) 13 | 2) 12 | 3) 24 | 4) 11 |
| 5) -1 | 6) -1 | 7) 18 | 8) 11 |
| 9) 16 | 10) 11 | 11) 12 | 12) 3 |
| 13) -56 | 14) 8 | 15) -8 | 16) -7 |
| 17) -2 | 18) 30 | 19) 15 | 20) 10 |
| 21) -31 | 22) -4 | 23) 8 | 24) -7 |
| 25) -4 | 26) -12 | 27) -12 | 28) 27 |
| 29) 54 | 30) -10 | 31) -7 | 32) -9 |
| 33) 8 | 34) -2 | 35) 18 | 36) 10 |
| 37) 12 | 38) -15 | 39) -15 | 40) -15 |
| 41) 1 | 42) 8 | 43) 32 | 44) -37 |
| 45) -23 | 46) -3 | 47) -12 | 48) 5 |