Expressions and Variables

Evaluate each using the values given.

1) $2n - 5m$; use $m = 7, n = 8$

2) $3x + 5y$; use $x = 2, y = -1$

3) $(3x - y) \div 5$; use $x = 10, y = 5$

4) $(q \div 6) + p$; use $q = 12, p = 5$

5) $2x - 8y + 5$; use $x = 5, y = -1$

6) $mn + 10 \div 2$; use $m = 2, n = 5$

7) $p - 3 + 3pq$; use $p = 5, q = -2$

8) $x(x + y)$; use $x = 8, y = -3$

9) $(m + 6) \div 2n$; use $m = 6, n = 1$

10) $(2k + 9) \times z$; use $k = -1, z = 10$

11) $5 + x + y - 2$; use $x = 5, y = 7$

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

13) $(mn + 1) \div n$; use $m = 2, n = 3$

14) $m + n(n - m)5$; use $m = 2, n = -2$

Answers

Evaluate each using the values given.

1) $2n - 5m;\ use\ m = 7, n = 8$
-19

2) $3x + 5y;\ use\ x = 2, y = -1$
1

3) $(3x - y) \div 5;\ use\ x = 10, y = 5$
5

4) $(q \div 6) + p;\ use\ q = 12, p = 5$
7

5) $2x - 8y + 5;\ use\ x = 5, y = -1$
23

6) $mn + 10 \div 2;\ use\ m = 2, n = 5$
10

7) $p - 3 + 3pq;\ use\ p = 5, q = -2$
11

8) $x(x + y);\ use\ x = 8, y = -3$
40

9) $(m + 6) \div 2n;\ use\ m = 6, n = 1$
6

10) $(2k + 9) \times z;\ use\ k = -1, z = 10$
70

11) $5 + x + y - 2;\ use\ x = 5, y = 7$
15

12) $xy + z + 6;\ use\ x = 2, y = -1, z = 6$
10

13) $(mn + 1) \div n;\ use\ m = 2, n = 3$
3.5

14) $m + n(n - m)5;\ use\ m = 2, n = -2$
42