

EQUATIONS QUIZ Review

Date _____ Period _____

Solve each equation.

1) $-3b - 4b = 0$

2) $n - 2 + 7 = 0$

3) $-8(x - 6) = 88$

4) $2(8x + 1) = -110$

5) $8 = -2(2 - 8x) + 4(1 - 5x)$

6) $-4x - 14 = -3x + x$

7) $p + 4 = 8p - 10$

8) $-5(3 + 6v) = -15 - 3v$

9) $x + 6 + 3 = 8(-2 + 2x) - 5(1 + 2x)$

Write each as an algebraic expression.

10) 4 times a number plus 9

11) the difference of 3 times a number and 7

12) the product of 3 and a number

13) Hope has driven 19 miles. She averaged 47 miles per hour. How many more hours must she drive to travel a total of 739 miles?

Solve each equation.

14) $-2 + |x| = 3$

15) $5|r| = 40$

16) $4|x| - 7 = 5$

17) $10|k| + 8 = 78$