

Home Review Day 3 - Equations

Date _____ Period _____

Solve each equation.

1) $-106 = -4v + 6(4 + 5v)$

2) $4(3a + 1) = -68$

3) $-87 = 3(-5 - 4n)$

4) $72 = 2(3 - 6n) - 6$

5) $66 = 6(1 - 5r)$

6) $0 = -5.4p + 5.4p$

7) $4.3 = 6x + 5.1 - 6x$

8) $4\frac{1}{16} = -\frac{1}{4}n + 1\frac{1}{2}n$

9) $-\frac{5}{12} = x + \frac{5}{4} + \frac{2}{3}$

10) $2m + 2m = 11$

$$11) p - \frac{7}{5} - 1\frac{1}{2} = -1\frac{7}{30}$$

Round to the nearest 100ths.

$$12) -\frac{11}{13} = -\frac{20}{x}$$

$$13) \frac{a}{11} = -\frac{5}{9}$$

$$14) \frac{2}{p} = \frac{8}{19}$$

Solve each equation.

$$15) 10(r + 8) - 6(-3r + 7) = 10r - r$$

$$16) 8(x + 6) + 2 = -8(-x + 6)$$

Answers to Home Review Day 3 - Equations

1) $\{-5\}$

5) $\{-2\}$

9) $\left\{-\frac{7}{3}\right\}$

13) $\{-6.11\}$

2) $\{-6\}$

6) Infinite solutions

10) $\left\{\frac{11}{4}\right\}$

14) $\{4.75\}$

3) $\{6\}$

7) No solution.

11) $\left\{\frac{5}{3}\right\}$

15) $\{-2\}$

4) $\{-6\}$

8) $\left\{\frac{13}{4}\right\}$

12) $\{23.64\}$

16) No solution.