

Name _____

Date _____

Practice Solving Multi-Step Equations

Directions: Solve the equation algebraically. Check your solution for the **odd** numbered problems.

1) $-3(x + 5) = 6$

2) $\frac{x}{8} - \frac{1}{2} = -\frac{7}{2}$

3) $-8x + 9 - 2x = -11$

4) $\frac{m}{2} + 6 = 10$

5) $-\frac{z}{3} + 5 = 9$

6) $\frac{2}{5} + 3a + a = -\frac{6}{5}$

$$7) 2v + 7 = 3$$

$$8) 4b + 3 = -9$$

$$9) 17 = 5k - 2$$

$$10) -6t - 5 = -10$$

$$11) 8n + 16.2 = 1.6$$

$$12) -5g + 2.3 = -18.8$$

$$13) \quad 2t - 5 = -10$$

$$14) \quad -4\rho + 9 = -5$$

$$15) \quad 11 = -5x - 2$$

$$16) \quad 4 + 2.2h = -3.7$$

$$17) \quad -4.8f + 6.4 = -8.48$$

$$18) \quad 7.3y - 5.18 = -51.9$$

$$19) \frac{3}{5}g - \frac{1}{3} = -\frac{10}{3}$$

$$20) \frac{a}{4} - \frac{5}{6} = -\frac{1}{2}$$

$$21) -\frac{1}{3} + 2z = -\frac{5}{6}$$

$$22) 2 - \frac{c}{3} = -\frac{5}{2}$$

$$23) -\frac{2}{3}x + \frac{3}{7} = \frac{1}{2}$$

$$24) -\frac{9}{4}v + \frac{4}{5} = \frac{7}{8}$$

$$25) \quad 3v - 9v = 30$$

$$26) \quad 12x - 8x = -52$$

$$27) \quad -8y - 5y + 7y = 72$$

$$28) \quad 6(x - 2) = -18$$

$$29) \quad -4(m + 3) = 24$$

$$30) \quad -8(y + 9) = -40$$