Solving Multi Step Equations

Name _____

Score _____

MS:07

Solve each equation. Round the answers to the nearest two decimal places.

1) $\dfrac{3(k + 2.3)}{1.5} - 3.6 = 2.4$

2) $1.2g - 6 + 2g + 2.1 = 5.4 - 1.8g - 2$

3) $2.6(5v - 1) - 6.3 + 2(v + 1.6) = 0$

4) $\dfrac{p}{1.2} - 5 - 3.2p = 2.6 + 4.3p$

5) $\dfrac{4}{3(b + 3.5)} = \dfrac{1}{4(1.8 - b)}$

6) $-3.8(2x + 0.8) - 10 = -7.2$

7) $2(3w - 1.1) - 4.2(w + 2.5) = 5.8 - w$

8) $\dfrac{3.5(4h - 1)}{7} - 5.6 = 2.2$

Solve each equation. Round the answers to the nearest two decimal places.

1) $\dfrac{3(k + 2.3)}{1.5} - 3.6 = 2.4$

k = 0.7

2) $1.2g - 6 + 2g + 2.1 = 5.4 - 1.8g - 2$

g = 1.46

3) $2.6(5v - 1) - 6.3 + 2(v + 1.6) = 0$

v = 0.38

4) $\dfrac{p}{1.2} - 5 - 3.2p = 2.6 + 4.3p$

p = −1.14

5) $\dfrac{4}{3(b + 3.5)} = \dfrac{1}{4(1.8 - b)}$

b = 0.96

6) $-3.8(2x + 0.8) - 10 = -7.2$

x = 0.77

7) $2(3w - 1.1) - 4.2(w + 2.5) = 5.8 - w$

w = 6.61

8) $\dfrac{3.5(4h - 1)}{7} - 5.6 = 2.2$

h = 4.15