

Math 8

Name _____ **Period** _____

HW # 8

Solve for the given variable

1. $-2 - 3(w + 2) = 5w$

2. $\frac{3x + 3}{4} = \frac{-3}{2}$

3. $\frac{3}{4}n - 6 = n - 2$

4. $\frac{1}{2}(n + 3) = 4$

5. $2(y - 2) = \frac{2}{3}(y + 2)$

6. $\frac{1}{2}x - 5 = 4\left(x + \frac{2}{3}\right)$

7. Explain the steps in solving the equation below. Be sure to provide the correct solution in your explanation.

$$-10 + \frac{1}{2}(x + 6) = x - 6$$
