Name _____ Date _____

**Solve the equation. Check your solution.**

**1.** $x + 16 = 9x$

**2.** $4y - 70 = 12y + 2$

**3.** $5(p + 6) = 8p$

**4.** $3(g - 7) = 2(10 + g)$

**5.** $1.8 + 7n = 9.5 - 4n$

**6.** $\dfrac{3}{7}w - 11 = -\dfrac{4}{7}w$

**7.** One movie club charges a $100 membership fee and $10 for each movie. Another club charges no membership fee but movies cost $15 each. Write and solve an equation to find the number of movies you need to buy for the cost of each movie club to be the same.