Name

Class

Date

Solving Equations

**Solve each equation.**

**1.** 10*w −* 3 = 8*w +* 5 **2.** *s +* 2 − 3*s −* 16 = 0

**Solve each equation. Check your answer.**

**3.** 4(*a +* 2) − 2*a =* 10 + 3(*a −* 3) **4.** 8*u +* 2(*u −* 10) = 0

**Write an equation to solve each problem.**

**5.**  The first half of a play is 35 minutes longer than the second half of the play. If the entire play is 155 minutes long, how long is the first half of the play? Write an equation to solve the problem.

**6.** What two consecutive numbers have a sum of 75?

**Solve each formula for the indicated variable.**

**7.** , for *b* **8.** , for $b\_{1}$

**Solve each equation for *y*.**

**9.** 

**10.** 