Name

Class

Date

Solving Equations

**Solve each equation.**

**1.** 5*x* + 4 = 2*x* + 10 **2.** 10*w −* 3 = 8*w +* 5

**3.** 4(*d −* 3) = 2*d* **4.** *s +* 2 − 3*s −* 16 = 0

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

**5.** (*x −* 3) − 2 = 6 − 2(*x +* 1) **6.** 4(*a +* 2) − 2*a =* 10 + 3(*a −* 3)

**7.** 2(2*c +* 1) − *c =* −13 **8.** 8*u +* 2(*u −* 10) = 0

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

**9.** Lisa and Beth have babysitting jobs. Lisa earns $30 per week and Beth earns $25 per week. How many weeks will it take for them to earn a total of $275?

**10.** 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.

**11.** What two consecutive numbers have a sum of 53?

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

**12.** , for *b* **13.** , for *h*

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

**14.** **15.** 

**16.** **17.** 