

\* Show all work to get given answers.

Name \_\_\_\_\_

Date \_\_\_\_\_

LESSON 8.5

**Practice B**

**Factor the trinomial.**

1.  $x^2 + 8x + 7$

2.  $b^2 - 7b + 10$

3.  $w^2 - 12w - 13$

4.  $p^2 + 10p + 25$

5.  $m^2 - 10m + 24$

6.  $y^2 - 5y - 24$

7.  $a^2 + 13a + 36$

8.  $n^2 + 2n - 48$

9.  $z^2 - 14z + 40$

**Solve the equation.**

7, -2    10.  $m^2 - 5m - 14 = 0$

-8, -3    11.  $x^2 + 11x + 24 = 0$

9, 3    12.  $n^2 - 12n + 27 = 0$

-10, 5    13.  $d^2 + 5d - 50 = 0$

$-12, -4$  14.  $p^2 + 16p + 48 = 0$

$6, -5$  15.  $z^2 - z - 30 = 0$

$8, -4$  16.  $p(p - 4) = 32$

$-5, -3$  17.  $w(w + 8) = -15$

$-7, 1$  18.  $n(n + 6) = 7$

$5, -2$  19.  $s^2 - 3(s + 2) = 4$