

## Practice and Apply

Use factoring to solve each equation.

11.  $x^3 + 2x^2 - 35x = 0$

13.  $y^3 - 6y^2 - 27y = 0$

15.  $x^3 - 13x^2 + 40x = 0$

17.  $x^3 = 25x$

19.  $2x^3 - 10x^2 - 100x = 0$

21.  $3y^3 + 9y^2 - 162y = 0$

23.  $110x - 2x^3 = 12x^2$

25.  $28a - 5a^2 - 3a^3 = 0$

12.  $x^3 + 2x^2 - 48x = 0$

14.  $a^3 - 8a^2 - 48a = 0$

16.  $x^3 - 7x^2 + 10x = 0$

18.  $y^3 = 49y$

20.  $16x - 6x^2 - x^3 = 0$

22.  $20a^2 + 5a^3 - 60a = 0$

24.  $3y^3 + 36y^2 = 3y^4$

26.  $15y - 4y^2 - 3y^3 = 0$