5.3 HW

- **5-84.** Write the equation of an increasing exponential function that has a horizontal asymptote at $y = 15$. Homework Help ✎
- **5-85.** If $x = 7^y$, how would you write this equation in $y =$ form? Explain. Homework Help ✎
- **5-86.** Solve for n: $n^3 = 49$. Homework Help ✎
- **5-91.** Factor each expression below. Homework Help ✎

  a. $x^2 + 8x$

  b. $x^2y^2 - 81z^2$

  c. $2x^2 + 14x - 16$

  d. $3x^2 - 11x - 4$

- **5-92.** For each of the following rational expressions, add or subtract, then simplify. Homework Help ✎

  a. $\frac{2-x}{x+4} + \frac{3x+6}{x+4}$

  b. $\frac{3}{(x+2)(x+3)} + \frac{x}{(x+2)(x+3)}$

  c. $\frac{3}{x-1} - \frac{2}{x-2}$

  d. $\frac{8}{x} - \frac{4}{x+2}$