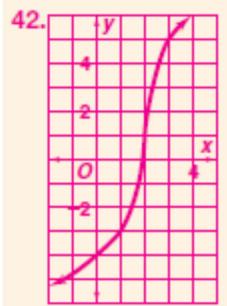
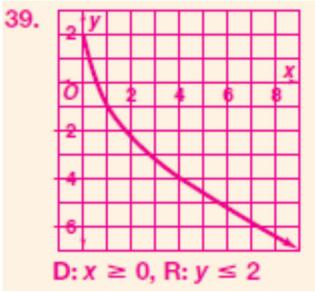
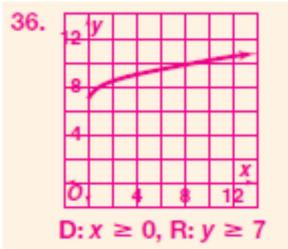


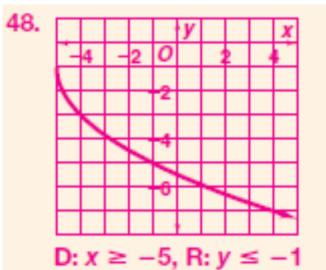
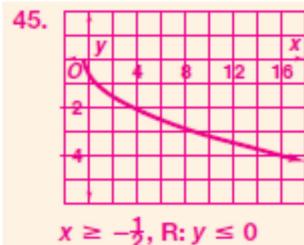
Page 411 # 30 – 50 (mult Of 3), 64, 65 Answers

30. $y = 3\sqrt{x - 1}$; the graph is the graph of $y = 3\sqrt{x}$ translated 1 unit to the right.

33. $y = 4\sqrt[3]{x + 2}$; the graph is the graph of $y = 4\sqrt[3]{x}$ translated 2 units to the left.



D: all real numbers,
R: all real numbers



64. $y = -\sqrt{2}\sqrt{x + 4}$; the graph is the graph of $y = -\sqrt{2}x$ translated 4 units to the left; domain: $x \geq -4$, range: $y \leq 0$.

65. $y = -\sqrt{8}\sqrt{x - \frac{3}{4}}$; the graph is the graph of $y = -\sqrt{8}x$ translated $\frac{3}{4}$ units to the right; domain: $x \geq \frac{3}{4}$, range: $y \leq 0$.