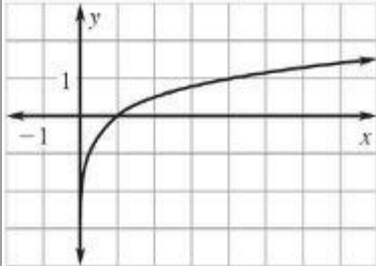
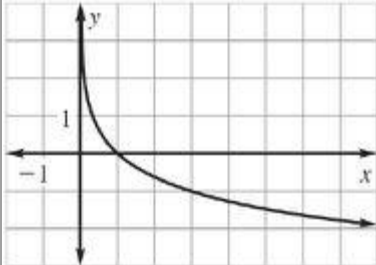
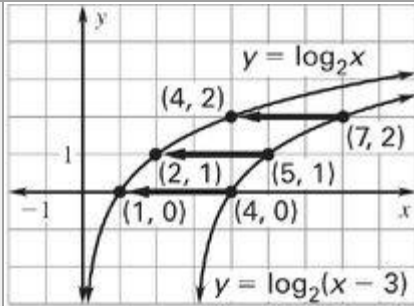


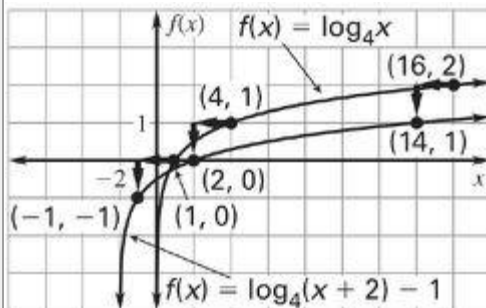
37.	The inverse of $y = \log_8 x$ is $y = 8^x$.
39.	The inverse of $y = (0.4)^x$ is $y = \log_{0.4} x$.
41.	$y = e^{x+2}$ $x = e^{y+2}$ $\ln x = y + 2$ $\ln x - 2 = y$ The inverse of $y = e^{x+2}$ is $y = \ln x - 2$.
43.	$y = \ln(x+1)$ $x = \ln(y+1)$ $e^x = y + 1$ $e^x - 1 = y$ The inverse of $y = \ln(x+1)$ is $y = e^x - 1$.
45.	 <p>Domain: $x > 0$</p> <p>Range: all real numbers</p>
47.	 <p>Domain: $x > 0$</p> <p>Range: all real numbers</p>

49.

Domain: $x > 3$

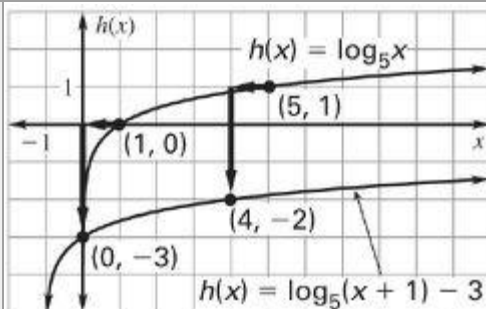
Range: all real numbers

51.

Domain: $x > -2$

Range: all real numbers

53.

Domain: $x > -1$

Range: all real numbers

55.

$$\log_8 32 = x$$

$$8^x = 32$$

$$2^{3x} = 2^5$$

$$3x = 5$$

$$x = \frac{5}{3}$$

57.

$$\log_4 128 = x$$

$$4^x = 128$$

$$2^{2x} = 2^7$$

$$2x = 7$$

$$x = \frac{7}{2}$$