Section 6.6 answers

1) x = 4   3) x = 4   5) x = -4

7) x = -2   9) x = 1/5   11) x = 1/2

13) x= $Log_3 6$ = 1.63   15) x = ln(12) = 2.48   17) x = log(4) = .60

19) x = $\frac{\ln(4)}{2}$ = .69

21) $x = 1 + log_3 5 = 2.46$ 23) $x = -4 + log_6 9 = -2.77$ 25) x = 9

27) x = e^1 = 2.72   29) x = 7   31) x = 4

33) x = 9   35) x = 9   37) x = 16

39) x = 3/2   41) x = 3/2   43) x = 2

45) x = 8   47) x = 10

49) Answer: x = 3   (no need to mention the x =-9 as it doesn't check)

It would be okay to write: Answer: x = 3, x = -9 is extraneous)