Today...
Evaluate/simplify without a calculator.

$\log 10 = 1$ $\overset{b/c}{10^0 - 1}$ $\ln 1/e^9 = \ln e^{-9} = -9$

$\log 10^3 = 3$ $b/c\ 10^3 = 10^3$ $10^{\log 42} = 42$

$\ln 1 = 0$ $b/c\ e^0 - 1$ $e^{\ln 3x^2} = 3x^2$

$\ln e = 1$ b/c

$e^1 = e$

Remember $\rightarrow \log_2 8 = 3$ } how to rewrite

is $2^3 = 8$

Suggested Practice
Sec 4.2
75-80
*utilize the graphing calculator

81-99
odds

Domains

75. $(-4, \infty)$

76. $(-6, \infty)$

77. $(-\infty, 2)$

78. $(-\infty, 7)$

79. $(-\infty, 2) \cup (2, \infty)$

80. $(-\infty, 7) \cup (7, \infty)$

Simplify

81. 2

83. 7

85. 33

87. 0

89. 6

91. -6

93. 125

95. $9x$

97. $5x^2$

99. $\sqrt{x}$