

Name _____

Logarithms

Evaluate the Logarithms expression without using a Calculator.

$$1) \log_2 8 + \log_3 27 = \underline{3 + 3 = 6}$$

$$2) \log_{10} 1000 + \log_5 25 = \underline{3 + 2 = 5}$$

$$3) \log_4 64 - \log_6 36 = \underline{3 - 2 = 1}$$

$$4) \log_8 512 + \log_2 16 = \underline{3 + 4 = 7}$$

$$5) \log_3 81 + \log_2 16 = \underline{4 + 4 = 8}$$

$$6) \log_2 64 - \log_3 81 = \underline{6 - 4 = 2}$$

$$7) \log_2 32 + \log_5 125 = \underline{5 + 3 = 8}$$

$$8) \log_6 216 - \log_7 49 = \underline{3 - 2 = 1}$$

$$9) \log_2 64 + \log_3 243 = \underline{6 + 5 = 11}$$

$$10) \log_4 256 + \log_2 32 = \underline{4 + 5 = 9}$$