*Assume that a DCT output matrix contains the AC coefficient 49, and that the corresponding value in the quantization table is 8.  (10 points)*

a)*What is it’s the quantized value of that AC coefficient?*

*49/8 = 6*

*b) What is its value after being decompressed?*

6 \* 8 = 48

*c) Use the formula (original value ¸ decompressed value) - 1 to express the resulting error (loss).*

48/49 – 1 = 2.04% error