

1. $(8)^{1/3}(81)^{-1/4} =$

(A) 6

(B) $\frac{3}{2}$

(C) $(648)^{-1/12}$

(D) $\frac{2}{3}$

2. If you know that 2^{12} is approximately 4,000, then which of the following is the best approximation for 2^{24} ?

(A) 8,000

(B) 16,000

(C) 4×10^6

(D) 1.6×10^7