EMIRATES ENGLISH SPEAKING SCHOOL, DUBAI

HOLIDAY HOMEWORK- GRADE-7

EXPONENTS AND POWERS-1

Name: _____ Division:_____

1. Express each of the following numbers as a product of powers of their prime factors.

a) 36 = _____ b) 72 = _____

c) 128 = _____ d) 625 = _____

e) 343 = _____ f) 540 = _____

g) 512 = _____ h) 729 = _____

2. Simplify.

a) 2×10^3 = _____ b) $7^2 \times 2$ = _____

c) $3^3 \times 4^2$ = _____ d) $5^2 \times 2^3$ = _____

e) 3×2^4 = _____ f) $11^2 \times 0$ = _____

g) $2^4 \times 3^2$ = _____ h) $15^2 \times 0$ = _____

i) $(-3) \times (-4)^2$ = _____ j) $6^2 \times 3^3$ = _____

k) $(-2)^2 \times (-10)$ = _____ l) $(-3)^2 \times (-2)^4$ = _____

m) $2^8 \times 0$ = _____ n) $(-7)^3 \times 2$ = _____