

Homework 2

NO CALCULATORS ALLOWED

Algebra II (Project GRAD)

1) Compute [your answer should be simple number or fraction (with no exponents)]:

(a) π^0

(b) 7^1

(c) 3^3

(d) 2^{-3}

(e) $25^{1/2}$

(f) $(16/81)^{3/2}$

2) Simplify the expressions, leaving your answers as powers of two [something like 2^n for some simple number n]:

(a) $2^{31} \cdot 2^{17}$

(b) $(2^{23})^5$

3) If $4^x = 64$, then what is x ?