Quiz 2

Name: _____

Problem 1.(10 points) Let a, b be non-zero real numbers and m, n integers. Fill in the blanks

(i) $a^0 = $ _____,

(ii) $a^{-n} = $ _____,

(iii) $a^m \cdot a^n = $ _____,

(iv) $\dfrac{a^m}{a^n}$ _____,

(v) $(a \cdot b)^n$ _____,

(vi) $\left(\dfrac{a}{b}\right)^n$ _____.