1 Introduction

The distributive property states that $a(b + c) = ab + ac$, for all $a, b, c \in \mathbb{R}$.

The well known Pythagorean theorem $x^2 + y^2 = z^2$ was proved to be invalid for other exponents. Meaning the next equation has no integer solutions:

$$x^n + y^n = z^n$$

Team List		
Name	City	State/Province
254	San Jose	CA
1678	Davis	CA
2056	Stoney Creek	ON
2910	Mill Creek	WA
1323	Madera	CA
148	Greenville	TX
27	Clarkston	MI