2.2 Order of operations

Question: Is $(2+3)^2$ the same as 2^2+3^2? If not why?

When we want to evaluate an equation with more than one operation we have a set of rules which ensure we find the correct answer!

Rules
- Brackets First!!!
- Powers!!!
- Multiply and Divide left to right!!!
- Add and Subtract from left to right!!!

To remember we use the acronym **BEDMAS**
Brackets
Exponents
Division
Multiplication
Addition
Subtraction

Example One: $3(2)^5$

Example Two: $(12+12)\times 8^2 \times 20 \div 4 =$

Example Three: $4^2 - 8 \div 2 + (-3^2)$