



# Solve Me!

Show your work and include the "therefore" statement

Solve the equation:  $(5x^2 - 3) - (2x + 5) = 5x^2$

Prove that the sum of any five consecutive natural numbers is evenly divisible by 5.

Prove that when a measure of one angle of a triangle is equal to the sum of the measures of the other two angles, then the triangle is a right angle triangle.

Is it possible to construct a triangle, one side of which is 2 cm shorter than the second side and 6 cm shorter than the third side, with a perimeter = 20 cm?

Answers  
 $1. x = -4$   
2. answers may vary  
3. answers may vary  
4. yes, with sides 4 cm,  
6 cm, 10 cm

