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Math 101

Prof. Dawson

2/13/22

<center>Math H.w 5.3</center>

True or False

2) The prime numbers 2 and 3 are twin numbers? False, because two is the only prime number here.

4) 2n-1 is if and only if 2n-1 (2n-1) is perfect. True

6) the equation 17+51=68 verifies Goldbach's conjecture true for the number 68? - no, because 6 and 8 are prime numbers. And "every number greater than 2 , can be written as the sum of two prime numbers.

8) The number 31 cannot be represented as the difference of two squares. True

10) Any natural number greater than 1 is one and only one of the following : perfect, deficient abundant. True