



Course > Week 2 > Sums o... > Proble...

Problem (7-8)

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Problem 7

1.0/1.0 point (graded)

Fill a positive integer into each blank. In each equation, the first integer should be smaller than the second integer.

$$41 = A^2 + B^2$$

$$73 = C^2 + D^2$$

$$101 = E^2 + F^2$$

$A =$



Answer: 4

$B =$



Answer: 5

$C =$



Answer: 3

$D =$



Answer: 8

$E =$



Answer: 1

$F =$



Answer: 10

Submit

You have used 1 of 2 attempts

i Answers are displayed within the problem

Problem 8

1.0/1.0 point (graded)

Fermat's Theorem on Sums of Squares is a special case of more general laws of prime numbers.

What is the name of these laws?

☐ Fermat's Little Laws

☐ Square Prime Laws

☐ Reciprocal Laws

☒ Reciprocity Laws ✓

Submit

You have used 1 of 2 attempts

i Answers are displayed within the problem

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