

| Logic | Professors | The Major | Calculus I | “Category 5” |
|-------|------------|-----------|------------|--------------|
| 100   | 100        | 100       | 100        | 100          |
| 200   | 200        | 200       | 200        | 200          |
| 300   | 300        | 300       | 300        | 300          |
| 400   | 400        | 400       | 400        | 400          |
| 500   | 500        | 500       | 500        | 500          |

I am an odd number. Take away one letter and I become even.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Logic**

**100 POINTS**

What is seven? (Take away the 's' and it becomes 'even')

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

Among the assertions made in this problem there are three errors.  
What are they?

(a)  $2 + 2 = 4$

(b)  $4 \div \frac{1}{2} = 2$

(c)  $3\frac{1}{5} \times 3\frac{1}{8} = 10$

(d)  $7 - (-4) = 11$

(e)  $-10(6 - 6) = -10$

[\$\Rightarrow\$  View Answer](#)

[\$\Rightarrow\$  View Question](#)

[\$\Rightarrow\$  Complete](#)

[\$\Rightarrow\$  Go Home](#)

What are **(b)**, **(e)** and the fact that there aren't three errors?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

The next symbol in this sequence.



⇒ View Answer

⇒ View Question

⇒ Complete

⇒ Go Home

**Logic**

**300 POINTS**

What is ?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

A logician vacationing in the South Seas finds himself on an island inhabited by the two proverbial tribes of liars and truth-tellers. Members of one tribe always tell the truth, members of the other always lie. He comes to a fork in the road and has to ask a native bystander which branch he should take to reach a village. He has no way of telling whether the native is a truth-teller or a liar. The logician thinks a moment, then asks *one* question only. From the reply he knows which road to take. What did he ask?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**



**Logic**

**400 POINTS**

“If I were to ask you if this road leads to the village, would you say yes?”

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

An intelligent horse learns arithmetic, algebra, geometry, and trigonometry but is unable to understand the Cartesian coordinates of the analytic geometry. What proverb does this suggest?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

Proverb:

*Do not put Descartes before the horse.*

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Professors**

**100 POINTS**

The current Department Chair.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Professors**

**100 POINTS**

Who is Professor Lakins?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Professors**

**200 POINTS**

The Actuarial Adviser and has a PHD from Yale.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Professors**

**200 POINTS**

Who is Dr. LoBello?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Professors**

**300 POINTS**

The Engineering Adviser.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**



**Professors**

**300 POINTS**

Who is Professor Weir?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Professors**

**400 POINTS**

The Dimensions Club Adviser.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Professors**

**400 POINTS**

Who is Professor Werner?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Professors**

**500 POINTS**

The  $\pi\mu\epsilon$  Adviser.

**$\Rightarrow$  View Answer**

**$\Rightarrow$  View Question**

**$\Rightarrow$  Complete**

**$\Rightarrow$  Go Home**

**Professors**

**500 POINTS**

Who is Professor Carswell?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**The Major**

**100 POINTS**

Mathematics is in this division.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**The Major**

**100 POINTS**

What is Natural Science?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

# The Major

200 POINTS

The number of credits required for the Math major at Allegheny.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**



**The Major**

**200 POINTS**

What is 43?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**The Major**

**300 POINTS**

The number of credits required for a Math minor at Allegheny.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**The Major**

**300 POINTS**

What is 24?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

# The Major

400 POINTS

The required 300 level courses for a Math Major.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**The Major**

**400 POINTS**

Linear Algebra (320)  
Algebraic Structures I (325)  
Introduction to Analysis (340)

**⇒ View Answer**

**⇒ View Question**

**⇒ Complete**

**⇒ Go Home**

**The Major**

**500 POINTS**

The 400 level Math courses.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**The Major**

**500 POINTS**

Topology (400) Algebraic Structures II (425) Real Analysis (440)

**⇒ View Answer**

**⇒ View Question**

**⇒ Complete**

**⇒ Go Home**

Derivative #1?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**



Derivative #1 Answer.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

Integral #1?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

Integral #1 Answer.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**Calculus I**

**300 POINTS**

Limit?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

Limit Answer.

⇒ **View Answer**  
⇒ **View Question**

⇒ **Complete**  
⇒ **Go Home**

Derivative #2?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

Derivative #2 Answer.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

Integral #2?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**



Integral #2 Answer.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**“Category 5”**

**100 POINTS**

The year in which Allegheny College was founded.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**“Category 5”**

**100 POINTS**

What is A.D. 1815?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**“Category 5”**

**200 POINTS**

The course level of the Mathematics Junior Seminar.

**⇒ View Answer**

**⇒ View Question**

**⇒ Complete**

**⇒ Go Home**

**“Category 5”**

**200 POINTS**

What is 500?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**“Category 5”**

**300 POINTS**

The 6th Fibonacci number.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**“Category 5”**

**300 POINTS**

What is 5?

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

## “Category 5”

400 POINTS

The number that always results from the following:

1. Choose any number.
2. Add the next highest number to that number.
3. Add 9.
4. Divide by 2.
5. Subtract the original number.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**



**“Category 5”**

**400 POINTS**

What is 5?

**⇒ View Answer**

**⇒ View Question**

**⇒ Complete**

**⇒ Go Home**

## “Category 5”

500 POINTS

The number of times can you take 5 from 25.

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**

**“Category 5”**

**500 POINTS**

What is 1? (Then it becomes 20)

⇒ **View Answer**

⇒ **View Question**

⇒ **Complete**

⇒ **Go Home**