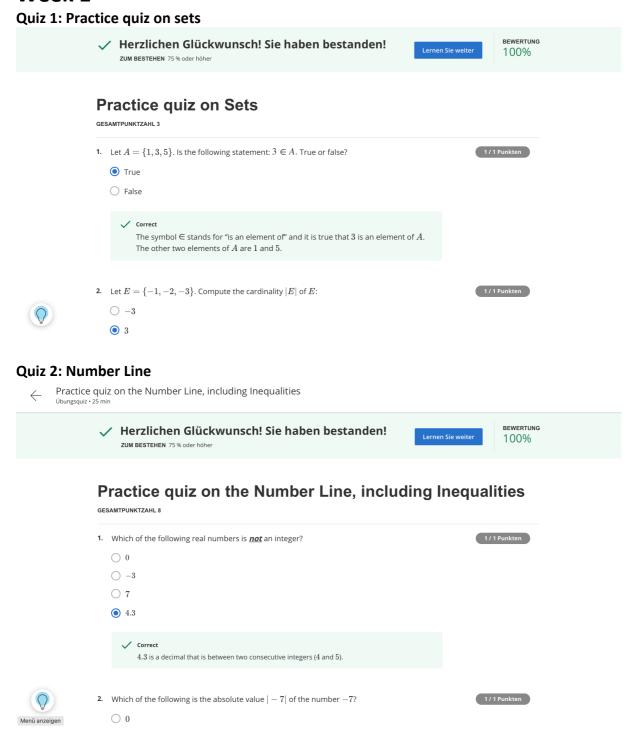
# **Proof Statistic Challenges**

# Week 1



**Quiz 3: Simplification Rules and Sigma Notation** 

Herzlichen Glückwunsch! Sie haben bestanden! ZUM BESTEHEN 75 % oder höher

BEWERTUNG 100%

## Practice quiz on Simplification Rules and Sigma Notation

1. Which of the numbers below is equal to the following summation:  $\sum_{i=1}^{3} i^2$  ?

1 / 1 Punkten

○ 30

14

 $\bigcirc$  1

O 9

We compute  $\sum_{i=1}^{3} i^2 = 1^2 + 2^3 + 3^2 = 14$ 



2. Suppose that  $A = \sum_{i=1}^{100} k^4$  and  $B = \sum_{i=1}^{100} i^4$ 

1 / 1 Punkten

#### Quiz 4: Graded Quiz on Sets, Number Line, Inequalities ...

Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation

Fällig 16. Feb. 23:59 PST

/ Herzlichen Glückwunsch! Sie haben bestanden! ZUM BESTEHEN 75 % oder höher

BEWERTUNG 92.3%

# Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation

NEUESTE EINREICHUNGSBEWERTUNG

92.3%

1. Let  $B=\{3,5,10,11,14\}.$  Is the following statement true or false:  $3\not\in B$ 

1 / 1 Punkten

O True



The symbol  $\not\in$  stands for "is not an element of." Since 3 is in an element of the set B, the given statement is not true.



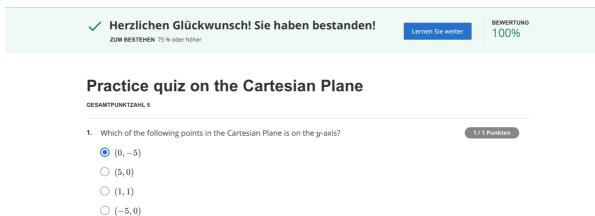
2. Let  $A=\{1,3,5\}$  and  $B=\{3,5,10,11,14\}$  . Which of the following sets is equal to the

1 / 1 Punkten

# Week 2

#### Quiz 1: Cartesian Plane

Practice quiz on the Cartesian Plane





2. Find the distance between the points A=(2,2) and C=(3,3):

coordinate. The point  $\left(0,-5\right)$  meets that requirement.

The y-axis is defined to be all points in the Cartesian plane with zero as x-

1 / 1 Punkten

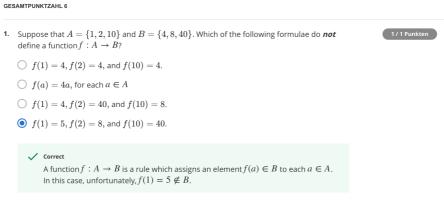
#### **Quiz 2: Types of Functions**

Practice quiz on Types of Functions

BEWERTUNG ✓ Herzlichen Glückwunsch! Sie haben bestanden! 100% ZUM BESTEHEN 75 % oder höher

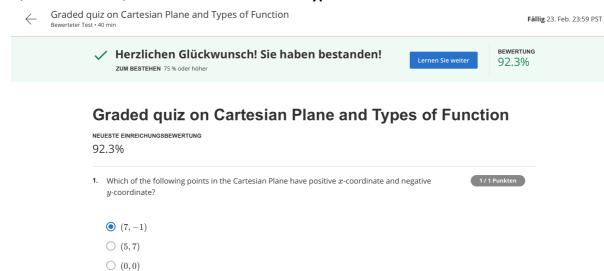
## **Practice quiz on Types of Functions**

GESAMTPUNKTZAHL 6





## Quiz 3: Graded Quiz on Cartesian Plane and Types of Function



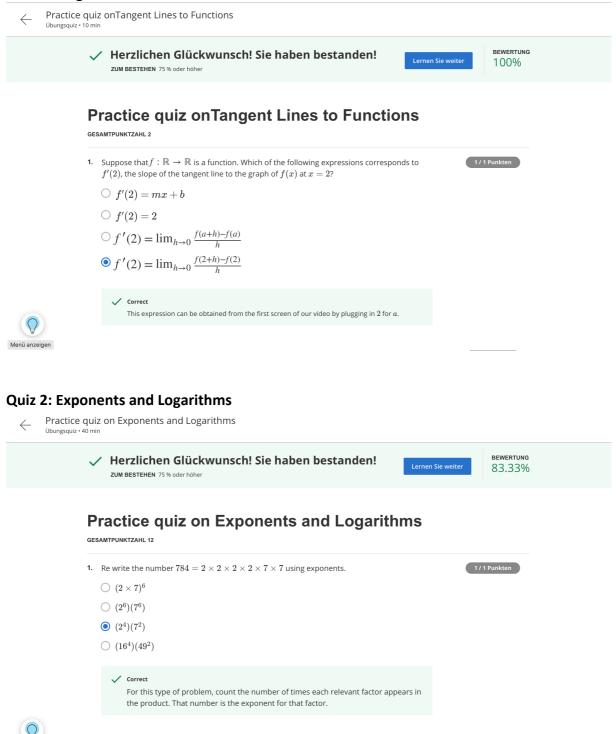


 $\bigcirc (-4,5)$ 

 $\checkmark$  **Correct** The x-coordinate, 7, is positive, and the y-coordinate, -1, is negative.

# Week 3

#### **Quiz 1 Tangent Lines to Funtions**



Quiz 3: Graded Quiz on tangent lines to functions, exponents and logarithms

1 / 1 Punkten

2. What is  $(x^2 - 5)^0$ ?

Menü anzeigen

✓ Herzlichen Glückwunsch! Sie haben bestanden!

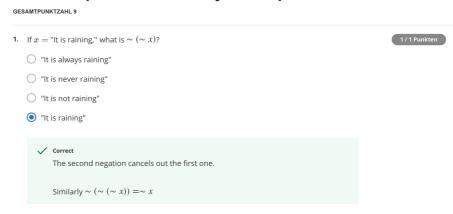
zum Bestehen 75% oder höher

Lernen Sie weiter

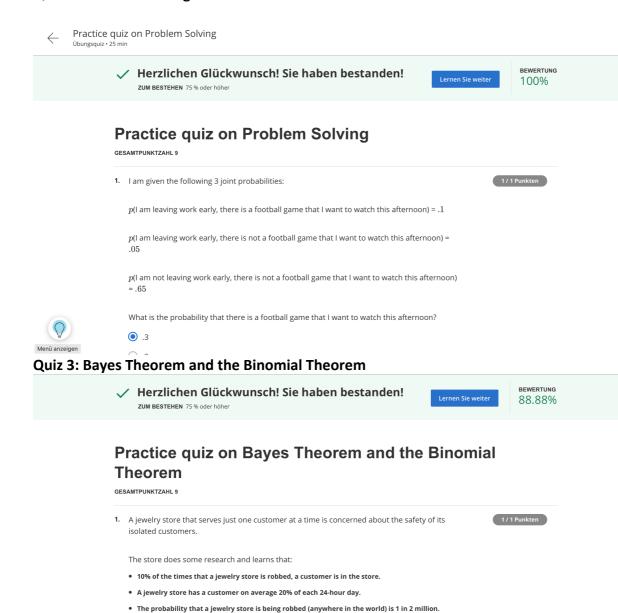
Lernen Sie weiter

BEWERTUNG
88.88%

## **Practice quiz on Probability Concepts**



#### **Quiz 2: Problem Solving**



What is the probability that a robbery will occur while a customer is in the store?

500000

## Quiz 4: Graded Quiz – Probability Basic and Intermediate

✓ Herzlichen Glückwunsch! Sie haben bestanden! zum BESTEHEN 80 % oder h\u00f6her

Lernen Sie weiter

91.66%

# Probability (basic and Intermediate) Graded Quiz

NEUESTE EINREICHUNGSBEWERTUNG
91.66%

1. What additional statement, added to the three below, forms a probability distribution?

(1) I missed only my first class today

(2) I missed only my second class today

✓ correct



2. My friend takes 10 cards at random from a 52-card deck, and places them in a box. Then he

1 / 1 Punkten