

## 12.1 IB Math - Unit 9: Probability

Bronx Early College Academy

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18 March 2019

7.1 Venn diagrams, Monday 18 March

7.2 Deltamath probability review. Tuesday 19 March

7.3 Addition rule of probabilities, Wednesday 20 March

## GQ: How do we notate sample spaces with Venn diagrams?

CCSS: HSS.CP.A.3 Understand conditional probability

7.1 Monday 18 March

Do Now: Draw a Venn diagram of these 110 students:

- ▶ 25 students took physics
- ▶ 45 students took biology
- ▶ 48 students took mathematics
- ▶ 10 students took physics and mathematics
- ▶ 8 students took biology and mathematics
- ▶ 6 students took biology and physics
- ▶ 5 students took all three subjects

How many took biology, but neither physics nor mathematics?

How many students did not take any of the three subjects?

Lesson: Sets, complements, union, intersection, empty set

Homework: Problem set

## GQ: How do we notate sample spaces with Venn diagrams?

CCSS: HSS.CP.A.3 Understand conditional probability

7.2 Tuesday 19 March

Do Now Quiz: Trig, calculus practice, with calculator

1. *Medium* Middling exam problems
2. *Spicy* Middling and extended exam problems

Lesson: Deltamath probability (trigonometry & calculus) review

Homework: Complete Deltamath problem set, review quiz answers

## GQ: How do we add the probabilities of multiple events?

CCSS: HSS.CP.A.3 Understand conditional probability

7.3 Wednesday 20 March

Do Now Quiz: Trig, calculus practice, with calculator

1. *Medium* Middling exam problems
2. *Spicy* Middling and extended exam problems

Lesson: The addition rule, probability

Homework: Problem set