

# Mathematics Class Slides

## Bronx Early College Academy

Christopher J. Huson PhD

4 October 2021

## 2.1 Area and volume formulas, 4 October

414 Seating chart 10.1

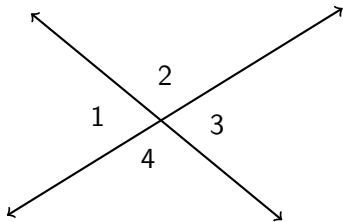
420 Seating chart 10.3

## Learning Target: I can calculate area

7.G.B.6 Solve problems involving area, volume and surface area 2.1 Monday 4 October

Do Now: Identify the true statements

1.  $\angle 1 \cong \angle 2$
2.  $\angle 2 \cong \angle 4$
3.  $m\angle 1 + m\angle 4 = 180^\circ$
4.  $m\angle 2 + m\angle 3 = 90^\circ$



Lesson: Test scoring, mastery; Area formulas

Homework: Test corrections due Friday

## Learning Target: I can calculate area

7.G.B.6 Solve problems involving area, volume and surface area

Copy these formulas into your notes

1. Rectangle:  $A = l \times w$  (Area equals length times width)
2. Square:  $A = s^2$  (Area equals side length squared)
3. Triangle:  $A = \frac{1}{2}b \times h$  (one half base times height)
4. Trapezoid:  $A = \frac{1}{2}(b_1 + b_2)h$  (Average of bases times height)
5. Circle:  $A = \pi r^2$

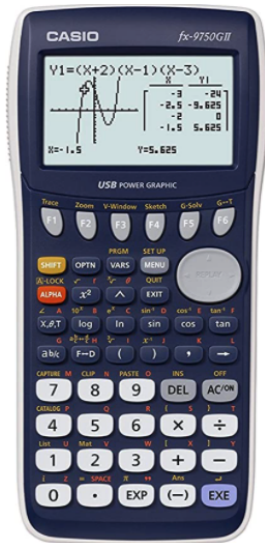
# Casio fx-9750GII calculator - due Friday 1 October

In the high school at BECA we use the Casio fx-9750GII.

It is allowed on the Regents exams, SAT tests, and International Baccalaureate exams.

You may use a different calculator in Geometry if you prefer, but I recommend buying the Casio fx-9750GII.

(see me if buying a calculator is a hardship for your family)



## Learning Target: I can use technology

CCSS: MP4 use technology strategically

### Self assessment: Technology

- |  |     |    |
|--|-----|----|
| 1. I have my own calculator with me today.   | Yes | No |
| 2. I have a notebook, ruler, and protractor. | Yes | No |

## Open Middle problem (fun)

Use digits from 0 to 9. Using a digit no more than once.

The first two angle measures are complementary. The second two angles supplementary. (degrees)



## 414 Seating chart 10.1

Front of room Video Screen

Ebenezer	Sadia Z.	Jose L	Christian V	Muhammed K	Abigail M.
Nathalia P	Alex R.	Ebrima G	Jonathan R	Joshua S.	Alexis N.
Jeremy D.	Isaias A.	Edwin S.	Tyler S.	Robert C.	Jada C.
Andrew U.	Ivana T.	Angel M.	Juan R.	Yuliana G	Andrian A.
Emmanuel W		Steven L.	Aiden P.		



## 420 Seating chart 10.3

Room 420	10.3	Front (screen)			
		5	Yostin F	1	Lessly A
	Chasidy S	Jefferson M	Jada M	Flora A	Jason R
Jonathan S	Matphew S				
8	Ashley R	6	Zinaira D	2	Catalina M
Leslie	Lisbeth E	Taniah G	Fariha S	Aminata B	Kelvin A
9	Richard A	7	Christopher S	3	Xiomara A
Ashley O	Cristhian A	Maryelis T	Annette M	Juan P	Manny B
Back		10	Oprah M	4	Jose M
door	Yaeli M	Jarryw B		David A	Anaylis O