Cartoonia

Member 1: Sam Abrams
Member 2: Fran Maimone
Member 3: Milan Jordan
Member 4: Duke Henderson

Welcome to Cartoonia, where all of your favorite cartoons come to life. Cartoonia consists of four quadrants: Family guy berg, simpsons town, spongebob central, and Southpark city.

[Insert an image of your finalized town map.]

Designer: Sam Abrams

Family guy berg in the upper left hand corner of the map is a very special place. It includes the one. The one and only, Drunken Clam, the best place to eat, drink, and have fun. Anywhere. Not to mention, we are home to the Cleveland Browns Stadium (It's not in Cleveland fyi). The last thing we consider great in our neighborhood is Superstore usa. You can get anything from motorbikes to plants to bananas and much more.

- Drunken Clam
- Griffin House
- Swanson House
- Brown House
- Adam west High School
- Garbage Island
- Pawtucket brewery
- Mcburgertown
- Cleveland browns stadium
- Superstore Usa
- Stewie's Stupid Store

Directions

Spooner street and Rhode island ave are **parallel lines**

NBC Ave runs through Spooner Street and Rhode Island Ave at a **perpendicular** angle.

Terrace St. **intersects** with NBC Av, Spooner Street, and Rhode Island Ave going northeast.

The Drunken Clam and Mcburgertown are a **linear pair**

Mcburgertown is **corresponding** with Adam West high school

Quahog Ave and Spooner Street create **2 acute and 2 obtuse angles**

NBC Ave and Spooner street create 4 **right angles**

Rhode Island Ave, Terrace St, and NBC ave create a **right triangle**

Spooner St. RHode island ave, and Terrace St create a great **transversal**

Adam West High is **alternate interior** to Pawtucket Brewery

Pawtucket Brewery is **alternate exterior angles** to Garbage island

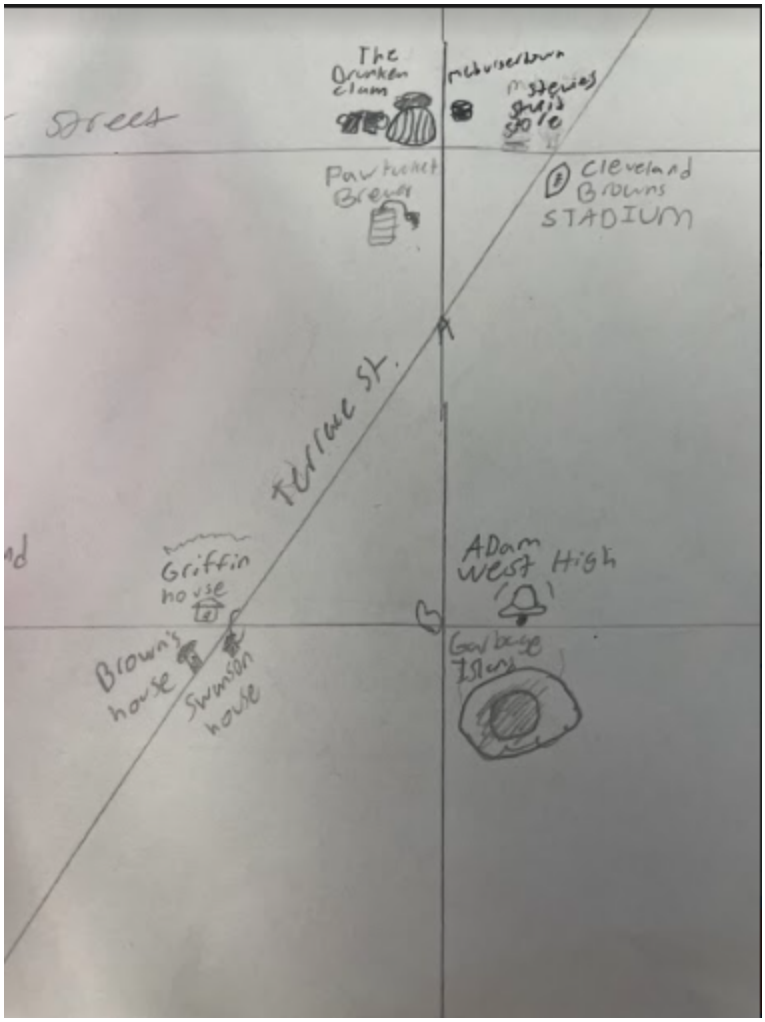
Griffin's house and Brown's house create **adjacent angles.**

Browns house is a **linear pair** to Swanson house

Where Quahog and Spooner st meet, SUPERSTORE USA is.

Swanson house is **corresponding** to cleveland Browns stadium

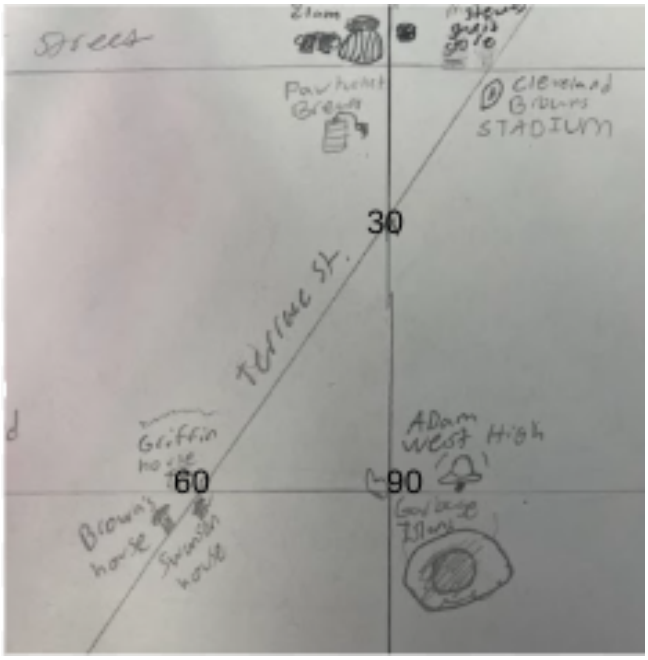
Stewes stupid store is **vertical** to cleveland brown stadium.



$AB = 1.8,\ BC = 0.8$	given
$a^2 + b^2 = c^2$	Pythagorean theorem
$(AB)^2 + (BC)^2 = (AC)^2$ $(1.8)^2 + (0.8)^2 = (AC)^2$	Substitution property Substitution property
$3.2 + 0.6 = (AC)^2$	Simplify
$3.8 = (AC)^2$	Combining like terms
$1.9 = AC$	Square root

Triangle and Triangle Theorems:

This is the equation for a triangle in my quadrant



$30 + 90 + x + 180$

$120 + x = 180$

$-120 \qquad -120$

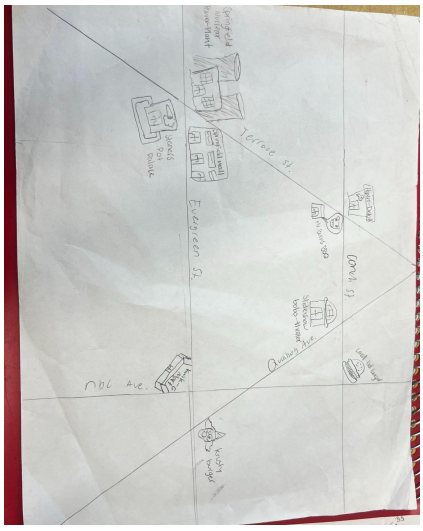
$x = 60$

In our next section we enter the Simpsons part of town.

Designer: [Fran Maimone]

Here in the neighborhood of Springfield there is a lot to see. Although its only a few blocks there is a lot to see. Tourists can enjoy a movie at Sideshow Bob's Theater and get some fresh air at Mr. Burns BBQ outdoor seating. Another really popular and historic restaurant is the Krusty Burger. Known for their famous mascot Krusty the clown.

Map and Instructions of Quadrant:



Homer Depot

Mr. Burns BBQ

Sideshow Bob's theater

Kwik-E-Mart

Springfield Mall

Krusty Burger

Lard Lad Burger

Springfield Nuclear Power Plant

Springfield elementary.

Stoner's Pot Palace

Conch St and Evergreen St are running east and west and are **parallel.**

Terrace St is running in the Northeast direction and is intersecting Evergreen and Conch St.

Quahog Ave is running Southeast and is intersecting with Evergreen and Conch St.

NBC Ave is on the right side running north. It intersects with Evergreen, Quahog, and Conch st.

Homer-Depot is Laying on the top right **obtuse intersection** of Terrace and Conch st.

On the same intersection as Homer-Depot, Mr. Burns BBQ is on the **vertical angle** from Homer-Depot

Sideshow Bob's Theater is **consecutive** to Mr. Burns BBQ on Conch St.

Lard Lad burger is on the intersection of NBC ave and Conch St. It is in the Northwest corner of the intersection.

The Kwik-E-mart and Lard Lad are **alternate exterior angles.**

Springfield Mall is on the Northeast side of the Terrace Evergreen intersection. It is an **acute angle.**

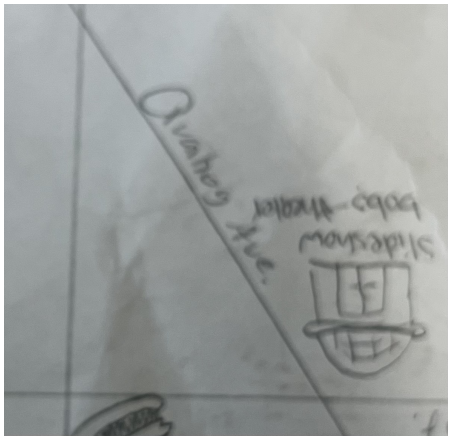
Conch St, Evergreen St, and Terrace St create a **transversal**.

Springfield Nuclear Power-plant is on the Northwest side of the Terrace Evergreen intersection. It is a **linear pair** with Springfield mall.

Stoner's Pot Palace is on the Southwest side of Evergreen St and Terrace St. It is **adjacent** to Springfield mall.

Krusty Burger lies on the Northeast side of the Evergreen and Quahog intersection

Triangle and Triangle Theorems:



This is the block the Sideshow Bob's theater is on

$[a^2 + b^2 = c^2$

$2^2 + b^2 = 3^2$

$4 + b^2 = 9$

-9

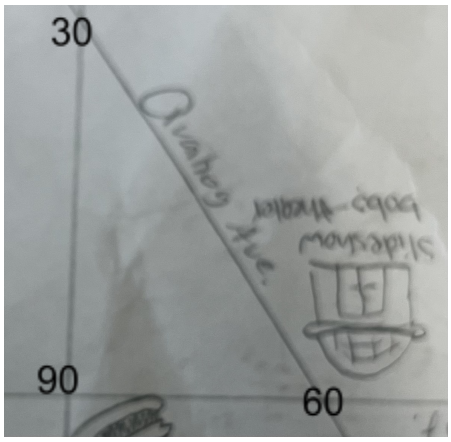
$=5$

$\sqrt{5} = 2.2$

$=2$

Statement	Explanation
Ab=2 ac=3	Given
$A^2+b^2=c^2$	Pythagorean theorem
$ab^2+bc^2=ac$	substitution
$2^2+bc^2=3^2$	substitution
$4+ bc^2 = 9$	Simplify

Bc = S	subtraction
2	Square root



$30 + 90 + x + 180$

$120 + x = 180$

-120 -120

$x = 60$

(Insert transition statement here)

Designer: [Milan Jordan]

[Insert Member #3's Paragraph on Quadrant]
Discuss the highlights of this quadrant (at least 4). Highlights could include favorite sites for tourists in your neighborhood, key historical facts, etc.

Map and Instructions of Quadrant:

[Insert a screenshot of your portion of the map.]

[List of all buildings/stores/etc in your quadrant.]

1). Krusty Krab takeout

2). Boating driver school

3). Garry's vet clinic

4).Sandy's garden

5). Karen's electronic school

6).Patrick's therapy office

7). Krabs bank

8). Pearl's thrift store

9). Ms.Puff's dance club

[Insert a clear and detailed set of your instructions for your quadrant of the map. (Refer to GeoVille class work activity as a reference.]

- Conch St and Evergreen ST run east to west and they are parallel to each other
- Intersecting with conch and evergreen is Adult Swim Ave and Cartoon Network Lane, they are perpendicular
- The Krusty Krab is located at the intersection of Conch St and Cartoon Network Lane at the obtuse angle.
- Located at the alternate interior angle of the Krusty Krab is Gary's Vet Clinic
- Located at the intersection of Conch St and Adult Swim Ave is Patrick's Therapy Office in the acute angle.
- In the right angle at the intersection of Fox Rd and Conch St is Karen's Electronic Store.
- In the intersection of Cartoon Network Lane and Evergreen St is Sandy's Garden
- Krab's Bank is located on the same street as it's linear pair, Patrick's Therapy Office and they are located in adjacent angles

- Gary's Vet Clinic and Pearl's Boating School are the consecutive angles located on Cartoon Network Lane.
- In the triangle made by Evergreen St, Fox Road, and Adult Swim Ave is Patty's Gentlemen's Club
- In the right angle triangle inside the intersections of Fox Road, Conch St, and Adult Swim Ave is Patrick's Therapy Office
- The Krusty Krab and Sandy's Garden are in the corresponding angles made by Cartoon Network Lane, Conch St, and Evergreen St
- Adult Swim Ave is the transversal of Conch St and Evergreen St
- Gary's Vet Clinic is located in the alternate interior angle of the angle where Sandy's Garden is located.

- Pearl's Boating School is located at the alternate exterior angle of the angle where the Krusty Krab is located.
- The Krusty Krab and Gary's Vet clinic are located at the vertical angles at the intersection of Conch St and Cartoon Network Lane

Statement	Explanation

AB=5 CB=6	Given
$a^2 + b^2 = c^2$	Pythagorean Theorem
$AB^2 + AC^2 = CB^2$	Substitution
$5^2 + AC^2 = 6^2$	Substitution

50+85+x=180

135=x=180

-135 -135

x=45

Triangle and Triangle Theorems:

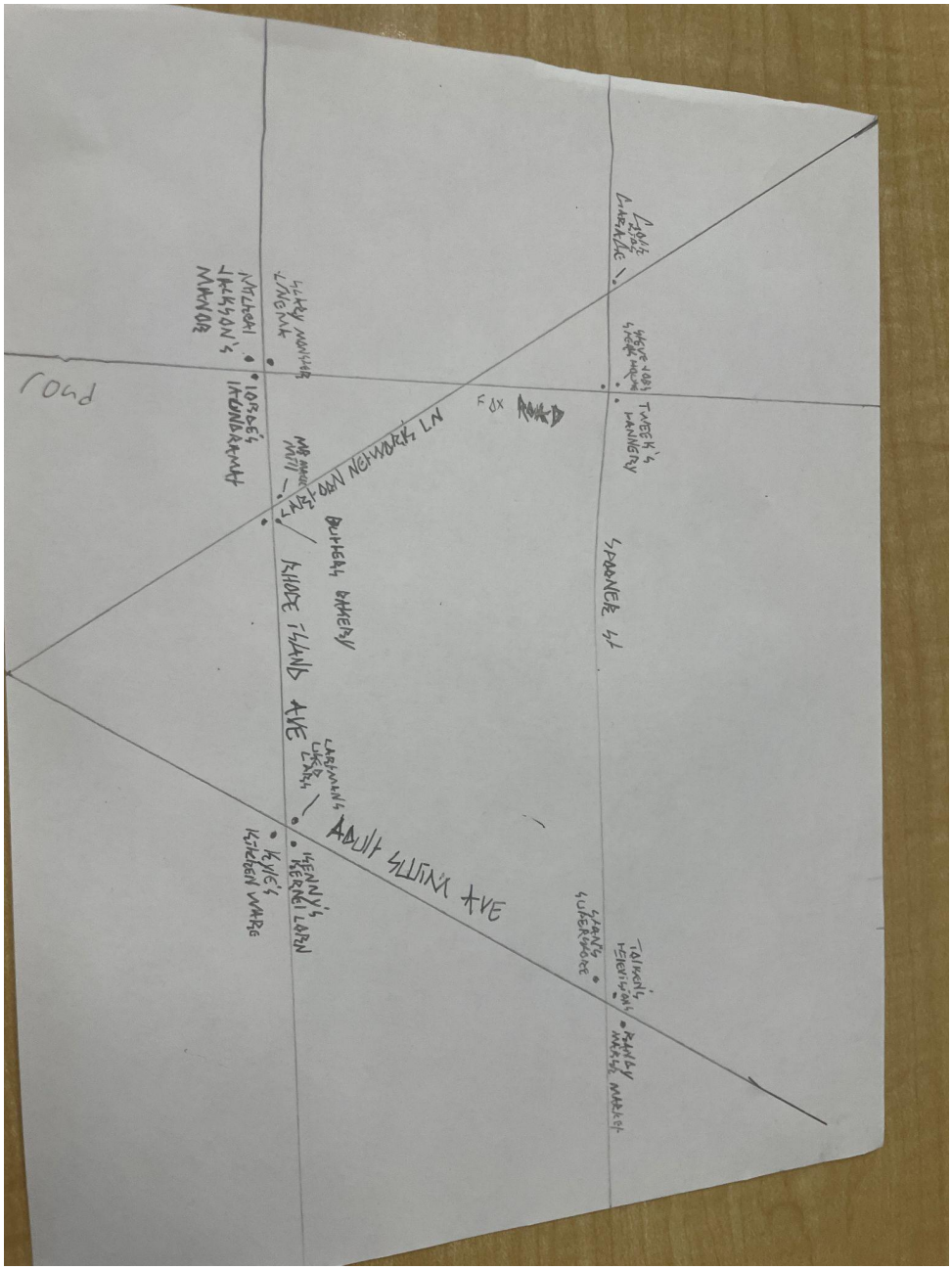
[Include a statement that describes this section.]

[Insert work for Pythagorean Theorem Problem]
Show all work including relevant diagrams and calculations. Make sure to discuss your process and your answer in the context of your town map.

[Insert work for Triangle Angle Sum/Exterior Angle Problem]
Show all work including relevant diagrams and calculations. Make sure to discuss your process and your answer in the context of your town map.

(Insert transition statement here)
Designer: [Duke Henderson]

The fourth quadrant is *southpark city*
Map and Instructions of Quadrant:



randy marsh market

-Stans superstore

-Kyle's kitchen supplies

- Tolkien's televisions

- cartman's used cars

- Kenny's kernel corn

-lorde's laundromat

-goth kids garage

-tweek's tannery

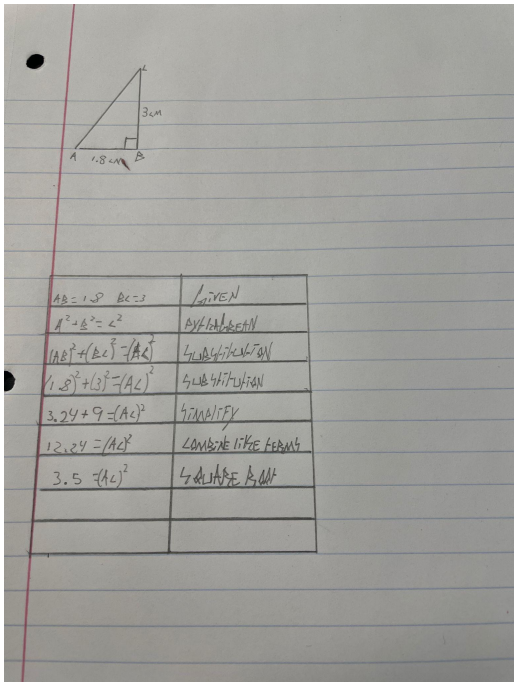
-butter's bakery

-micheal jackson manor

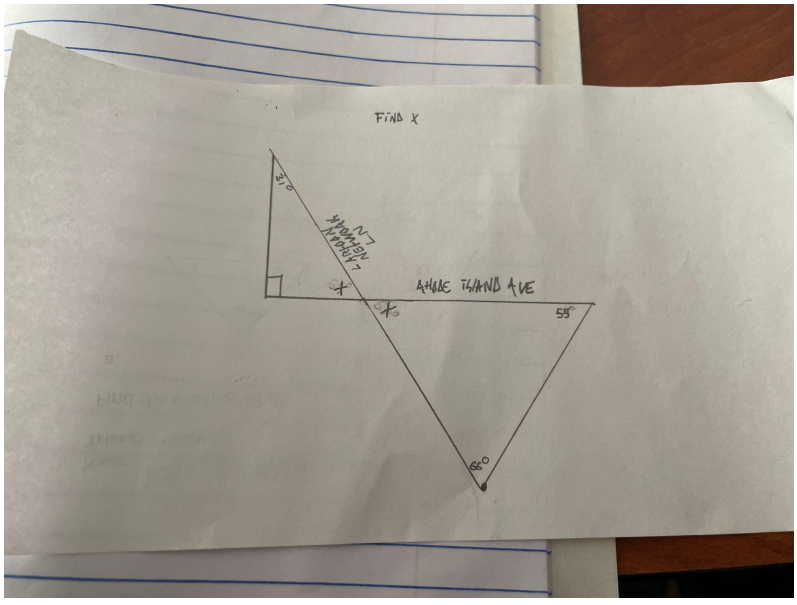
[Insert a clear and detailed set of your instructions for your quadrant of the map. (Refer to GeoVille class work activity as a reference.]

Triangle and Triangle Theorems:

The diagrams below are intended to assist construction workers when building roads.



AB = 1.8 BC = 3	GIVEN
$A^2 + B^2 = C^2$	PYTHAGOREAN
$(AB)^2 + (BC)^2 = (AC)^2$	SUBSTITUTION
$(1.8)^2 + (3)^2 = (AC)^2$	SUBSTITUTION
$3.24 + 9 = (AC)^2$	SIMPLIFY
$12.24 = (AC)^2$	COMBINE LIKE TERMS
$3.5 = (AC)^2$	SQUARE ROOT



(Insert transition statement here)

Conclusion:

Our group learned that