NamesTown

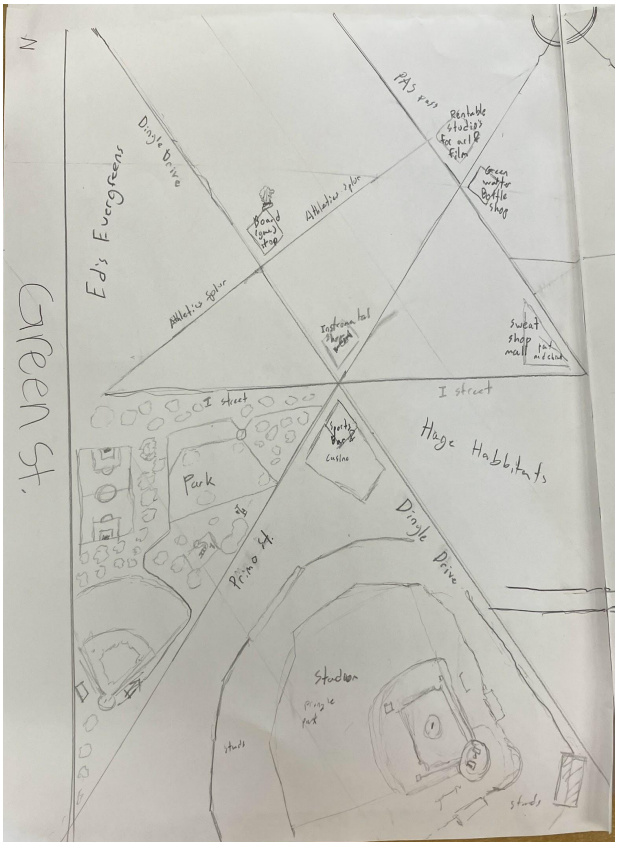
Names of all Group Members:
Member 1: Ian Dingle
Member 2: Levi Midgett
Member 3: Josiah Jones
Member 4: Braylon Dunlap

Introduction:

Welcome to Namestown, a wonderful place to visit that has so many delightful places like Forever 14, Snoopy Stadium, and Pringle Park! Namestown is divided into four quadrants, the Dingle District, the X-factor, (Levis district), (Margarita district).

Designer: Ian Dingle

As we follow Primo St., starting from the center circle, shops and schools line the streets. Full of life as people and students bustle around. As we follow PAS pass more exclusive shops arise. After a quick turn down I street, The Hage Habitats zoo is a main attraction. Back down the pass Athletics Ave. leads us to more shops. As I street and Athletics Ave. move north, we come across Dingle Dr., the biggest street in the district that signifies the flip to the park-side. This is what the district is known for. Snoopy stadium looms over everything on the west side of town. Across the street, Pringle Park is full of sporting events and children just out of school. If we follow the path we arrive at Eddie's Evergreens. Don't stray too far down Dingle Drive however, there is a mysterious rift opening. Authorities believe it has something to do with the neighboring, *X-Factor* district.



Map and Instructions of Quadrant:

Green St. is located at the very *North* of the town and runs East to west.

Primo St. intersects Green street at the very *North West* corner and runs straight into the **Center circle** which is located in the *middle* of town.

Dingle Drv and **PAS pass** are *parallel* and make Primo street a *transversal*

Athletics Ave. is *perpendicular* to Dingle drive and PAS pass but not *parallel* to Primo St.

I street is the hypotenuse of PAS pass and Athletics Ave.

Pringle Park is in the space created by Primo St., I St., and Green St.

The First baseline of **Snoopy Stadium** is *parallel* to Dingle Drive, and the gumbo Tron is parallel to Primo St.

Bombers Bar of Sports is located on the corner of the same block as Snoopy stadium

The Art & film school for creative peoples (AFSCP) is *opposite exterior* to Bombers Bar of sports

The Exclusive Green water bottle shop is *vertical* to the school

Miller's Music is supplementary to the school

At the *right angle* formed by Dingle Drive and Athletics Ave. there is **Beanes Board game stop**

Sweat (Shirt/Pants) Mall is located at the *interior* angle of the triangle formed by PAS pass, I St., and Primo St. There are no other shops on its *intersection*.

Eddie's Evergreens is an extension to pringle park and can be found in the space created by Dingle Drive, Athletics Ave., and Green St.

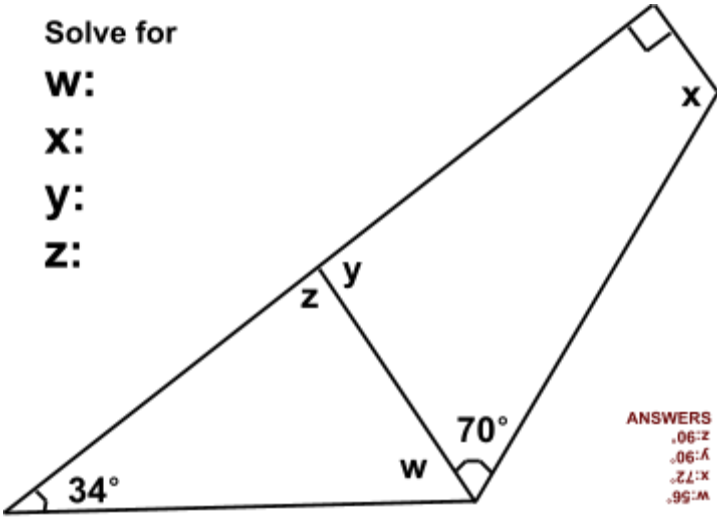
Eddie's Evergreens, Pringle Park and Snoopy stadium come together to form **The Park-Side**

Hage Habitats Zoo is the final space located on the West side of I street, and is sometimes considered park-side, but not officially.

Triangle and Triangle Theorems:

The streets Athletics Ave., I st., and Dingle Dr. come together near the north side of the district to form a triangle. The town officials want to put a small neighborhood in the park-area. They want to add houses on the corners but don't know the angle measures to fit them in. They would use a protractor, but the last one broke in the building of the stadium. So they called you. They know the measures of the northmost angle, and one angle in the adjacent block. Use this information to find the remaining angles, and help build the *New Northern Neighborhood.*

Statements	Explanations
$\overline{AN} = 1.375$ $\overline{IA}$ =2.75 m $\angle IAN = 90$	Given
$(\overline{AN})^2 + (\overline{IA})^2 = (\overline{IN})^2$	Pythagorean Theorem
$1.375^2 + 2.75^2 = (\overline{IN})^2$	Substitute
$I.89 + 7.56 = (\overline{IN})^2$	Simplify
$9.45 = (\overline{IN})^2$	Addition
$3.07 = \overline{IN}$	Square Root



As you take a ride down 26 street you enter a new district to the south

Designer: Braylon Dunlap

Welcome to the X-factor! A place with exquisite stores and places like FOREVER 14, SLA's Screenplays, and more!
When creating the X-factor I based all of the stores and streets off of aspects of my life. I like cloth and tech shopping a lot so I included my own parodies of Forever 21, T-Mobile, and Samsung. After Hours Resturant is based off of my favorite album, After Hours.

Map and Instructions of Quadrant:

SLA's Screenplays (cuz i love movies)

Commercial Film studio (same reason)
Hat shop (I wear a hat almost every day)
Samson's Phones (I buy a lot of tech)
Tape store
Haunted WAWA
Police station
Forever 14

Directions:

East (on the map) of Roblox Road is the tech store, forming parallel lines.

Heading west, is After Hours Ave, forming perpendicular lines with Roblox Rd.

Blockbuster, is intersecting After Hours Ave, south.

The Police Station forms an alternate exterior angle with Blockbuster

Blockbuster forms a consecutive angle with the Film Studio.

Facing southwest, is an acute angle formed by the film studio and Bray Boulevard

Adjacent to the Film studio is the Hat shop.

The Film Studio and the Tech Store form corresponding angles.

Homework Highway and Blockbuster form alternate interior angles.

Main Street, Homework Highway, and After Hours Ave form a right triangle, with Main Street facing northwest.

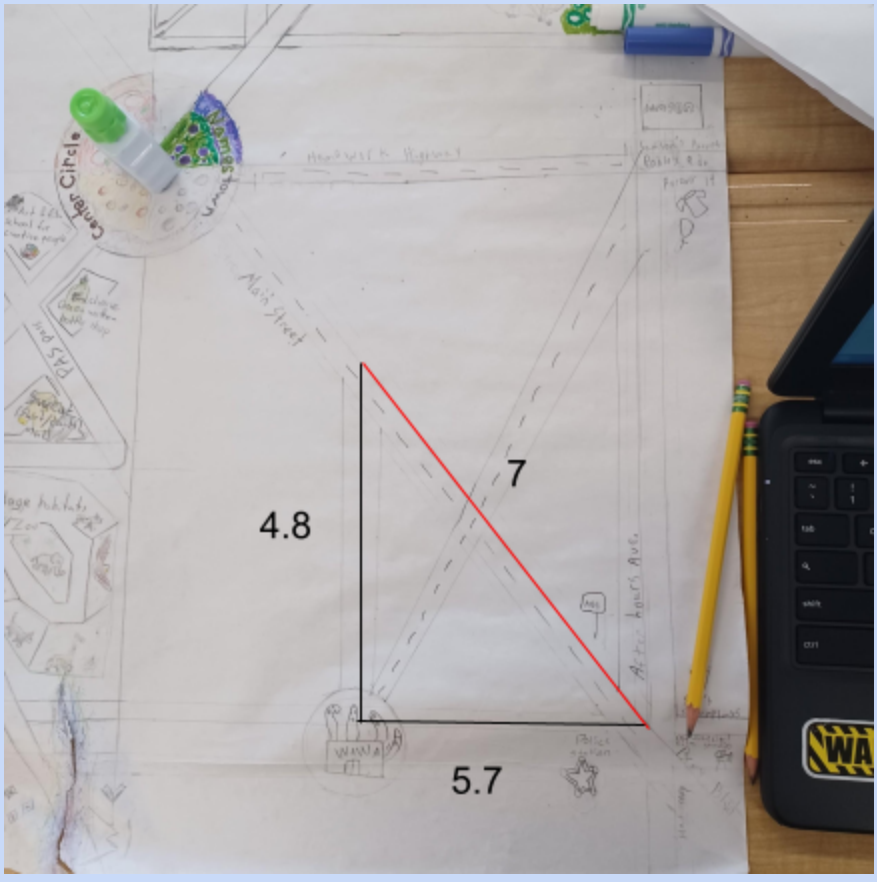
Homework Highway and the Tape Store form an obtuse angle.

The Police Station forms a right angle with the Hat Shop.

Every Location forms a transversal.

In effort to open more locations (and also cover up the haunted Wawa from the public), City Council Member Dunlap is building a triangular district in the middle of the quadrant. However, the data for the exact measurements of the area was lost (most likely deleted by the ghosts in the Wawa). In order to figure out the missing measurements for the district, you must use the Pythagoream and Triangle Angle Theorems.

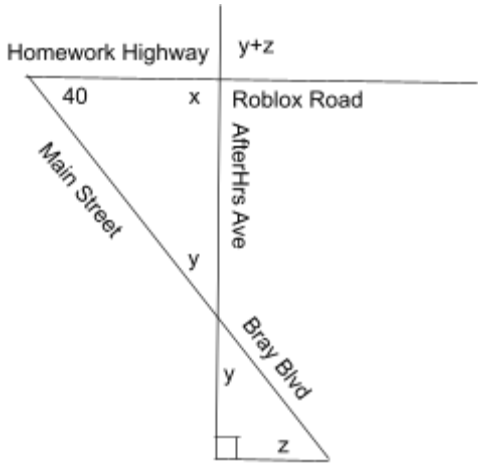
Pythagorean Theorem Problem:



Statements	**Explanations**
$4.8, 5.7, C$	Given

$a^2+b^2=c^2$	Pythagorean Theorem
$4.8^2+5.7^2=c^2$	Substitution
$23+32.5=c^2$	Simplify
$55.5=c^2$	Combine like Terms
$C=7.4$	Square Root

Triangle Angle Theorem



$40+x+y=180 \cong y+z+\angle$	<u>Given</u>
$\angle \cong x$	Congruence
$\angle = 90$	Simplify
$90+40+y=180$	Substitute
$y=50$	Simplify
$90+50+z=180$	Substitute
$z=50$	Simplify
$40+50=90$	Solve

Now that the data for the new district has been recovered, our architects and engineers can continue to design and build the new locations in the quadrant! Well, thanks for visiting the x-factor! Head down Blue Street to enter the next quadrant.

Designer: Levi Midgett

There are 4 main roads that go through the levi quadrant, Levi st, Josiah st, Blue st, and Primo st. Blue st runs from west to east. Josiah st and Levi st run from north to south. And primo st runs from south east to north west. Levi st and Josiah st are parallel, with Levi st being to the west of Josiah st. Primo st is perpendicular with Midgett st and they intersect in between levi st and josiah st. To the south east corner of Blue st, primo st intersects with blue st, with joes house and peter griffin's house being on either side of primo st, forming an adjacent angle.
In the middle of the quadrant, where Primo and Midgett st intersect, there is an Artmart on the north side of the intersection, on the east side is quagmire's house and on the west side there is a levis jeans store.

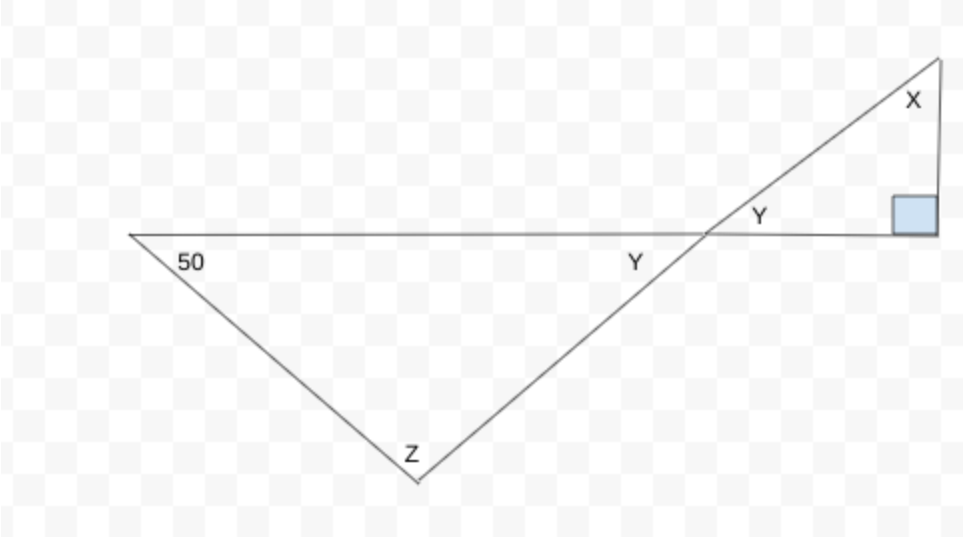
Map of Quadrant:

Triangle and Triangle Theorems:

[Include a statement that describes this section.]

2, 1.8, C	given

$A^2 + B^2 = C^2$	Pythagorean theorem
$2^2 + 1.8^2 = C$	substitution
4+3.24=C	simplify
7.25=C	Combine like terms
2.6=C	Square root



(Insert transition statement here)

Designer: Josiah Jones

The margarita quadrant prides itself on its abundance of natural water and it's cuisine. There is less living space in this area and more natural beauty. Namestowns convention center is located in this quadrant. There is also one of the few Charity & Co locations, so If you want some sweets and donate money for a good cause, then this is the place for you. This quadrant also has the most food locations, such as Bobby's burger place, Huggins Home, the aforementioned Charity & Co, and Mario's Pizzeria/, which they wanted us to add they are not related to the nearby Nintendo Philadelphia, please stop trying to file lawsuits. We are also home to an animation college, for young animation enthusiasts to pursue their dreams. It also has a nice view of Sheth Lake, our biggest body of water.


Circle
Thomas Transportation Center
parking lot
Grant Thomas Station
Hugging Home
Sketch ST.
MCKAY ST
Nintendo Philadelphia
SEGA Town
Carol River
Knoe ST
Hopper ST
Hosen Hall (under construction)
Namestown Convention Center
Athena ST
Rittenhouse Square
Aitya Aquarium
Mario's Pizzaria
El Emporio del Perro de Pedro
Animator's Academy

Map and Instructions of Quadrant:

- Bobby's Burger Place
- Philly Goat Boutique
- Kat's Cat shop
- El Emporio del perro de pedro
- Nintendo Philadelphia (Nintendo Ph)
- Italian Restaurant
- Shepard's park (intersection)
- Rittenhouse squares (geometry art museum)
- Segatown
- Aitya Aquarium
- Charity & Co
- Namestown convention center
- Hosea hall
- Animators Academy
- Thomas Transportation center and Grand Thomas Station
- Huggins home

Naturally formed landmarks

- Sheth Lake
- Carol River
- Margarita Arboretum

1. Mckay st and Josiah st are east to west, and are parallel to each other

2. Mckay st and Green st (south to north) are perpendicular at Bobby's burger place, they also form two right angles there

3. Main st (northwest) and Josiah st (East to west) are intersecting

4. Athena st (northwest) and Main st create an Acute angle

5. Where Main st and levi st intersect is an Obtuse angle

6. Where Athena st and Hopper st (northeast) intersect, they create a linear pair

7. Mckay st, Josiah st, and Main st form consecutive AND corresponding angles

8. Hopper st, main st, and the east quarter limits (giant line marked e) form a right triangle

9. Green st is a transversal

10. Mckay st, Josiah st, and Mainstreet form alternate interior and exterior angles

11. On either side of sketch st (northwest) are adjacent angles

12. Mckay st and green st form vertical angles

13. Athena & Hopper st intersection: Rittenhouse squares

14. Right side of Hopper and Josiah st intersection: Mario's Pizzeria

15. Inside of Khloe st and levi st intersection: Nintendo Philadelphia

16. Outside of Green st and Levi St intersection: Bobby's Burger Place

17. Inside Athena st and Josiah st intersection: El Emporio del perro de Pedro

18. Inside of Green st and Main st intersection Kat's Cat shop

19. Far north down Green st: Philly Goat project boutique

20. Shepards Park: Intersection of Hopper, Main, and Mckay street.

Triangle and Triangle Theorems:

These are some areas on my quadrants that make up triangles, and thus, for fun, we calculated them with the Pythagorean theorem and the triangle angle sum theorem

Pythag Calc:

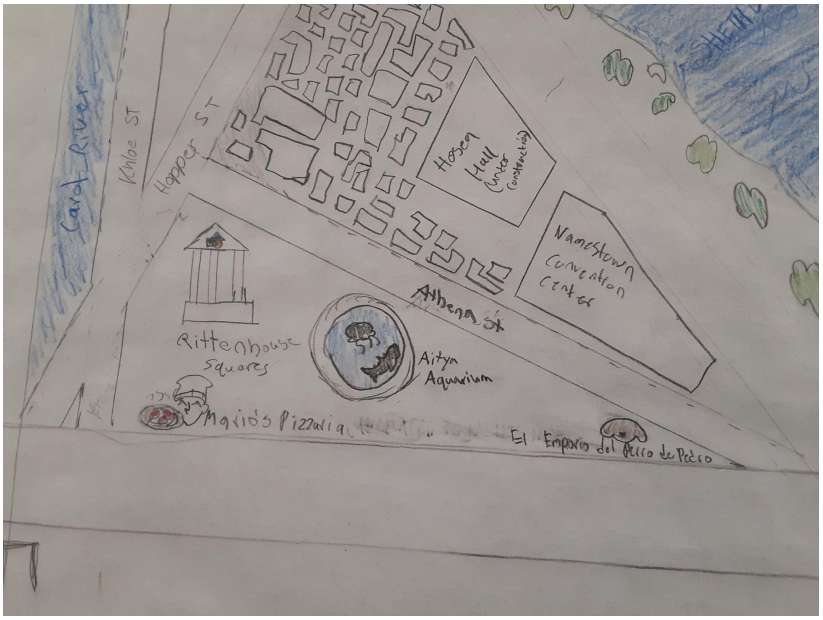
Sketch: 5.5 inches
Green: 4.4

Pythag Chart:

4.4 x 5.5 = C	Given
19.36 x 30.25 = C	Squared
30.25 + 19.36= 49.61	Addition
49.161=7.04343666118	Square root
C=7.04343666118	Answer

Triangle equation calc:

Athena st & Hopper St intersection: 70 degrees
Athena & Main= 20 degrees
Hopper and main: 55 + X degrees



70x + 20= X + 55	Given
69x + 20 = 55	Minus X on both sides(subtraction)
69x + 20 = 55 -20 -20	Minus 20 on both sides(subtraction)
69/69 35/69	Division
0.50724637681	Answer

Thanks for visiting! Remember when you come back that this side is best for tourism.

Conclusion:

Things took longer than we expected, but in the end we were able to fuse our ideas together into one coherent project. We had to learn to work together and be mindful of others' space. We had to work around things sometimes because of things that weren’t even happening in our quadrant. And we are proud of how it turned out.

All of our ideas were able to come together to make a successful, joint product. We had a lot of ideas but we compromised on one that we all liked. Having streets run through multiple quadrants was difficult but we discussed how we could make them work.