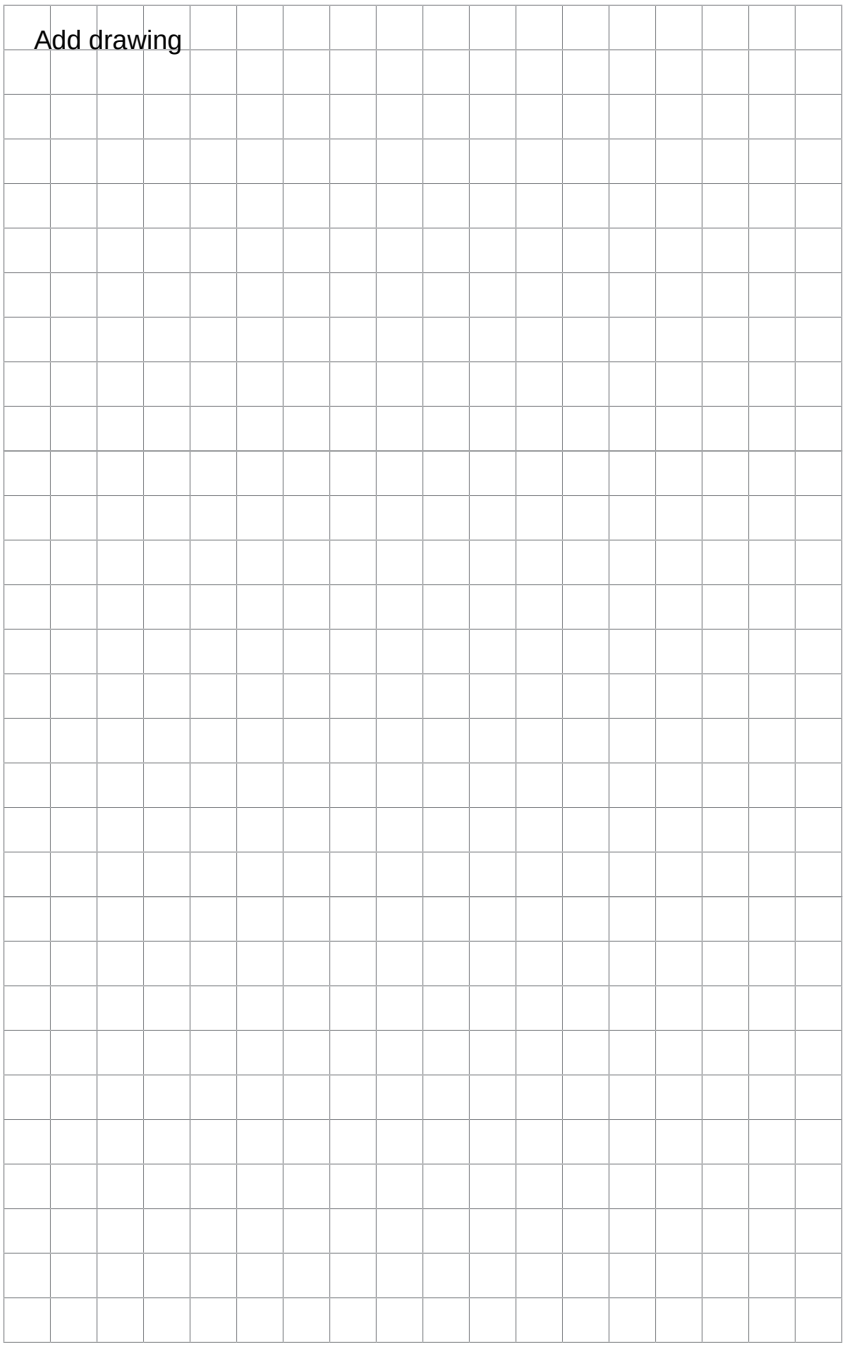
Name: _____ Class: _____

Dimensions of the Court

GRADES 6-8

Explore

Use the coordinate plane system to answer/plot the below questions/coordinates.



Name: _____ Class: _____

Dimensions of the Court

GRADES 6-8

Explore

1. Plot the points (-13, 9) and (-13, -9). Connect the points to draw one of the baselines.

2. Plot the points (13, 9) and (13, -9). Connect the points to draw the other baseline.

3. Connect the points (-13, 9) and (13, 9) to draw the sideline.

4. Connect the points (-13, -9) and (13, -9) to draw the sideline

5. Plot the points (-13, 10) and (13, 10). Draw a rectangle connecting (-13, 9), (-13,10), (13,10), and (13, 9) to draw the additional sideline needed for Doubles Tennis.

6. Plot the points (-13, -10) and (13, -10). Draw a rectangle connecting (-13, -9), (-13, -10), (13, -10), and (13, -9) to draw the additional sideline needed for Doubles Tennis.

7. Plot the points (0, -10) and (0,10). Connect the points to draw the net.

8. Plot the points (-7, 0), (-7, 9), (0, 9), and (0, 0). Connect the points to draw a rectangular service box.

9. Plot the points (-7, 0), (-7, -9), (0, -9), and (0, 0). Connect the points to draw a rectangular service box.

10. Plot the points (7, 0), (7, 9), (0, 9), and (0, 0). Connect the points to draw a rectangular service box.

11. Plot the points (7, 0), (7, -9), (0, -9), and (0, 0). Connect the points to draw a rectangular service box.

Module 2.0

Name: _____ Class: _____

Dimensions of the Court

GRADES 6-8

Explore

add drawing of court

Name: _____ Class: _____

Dimensions of the Court

GRADES 6-8

Elaborate

7th Grade Standard

Determine the distance the player and ball travels.

1. Player A hits the ball from (-15, -6) to (-15, 8). How far did the ball travel?

   answer here

2. Player C moves from (14, 7) to (14, -3) to make a play on the ball. How far did player C move?

   answer here

3. In a doubles match, Player A is standing at (-14, -4) and Player B is standing at (-7, -4). If the ball is hit to (0, -4), which player is the closest to hit the ball?

   answer here

Name: _____ Class: _____

Dimensions of the Court

GRADES 6-8

Elaborate

8th Grade Standard

Using the Pythagorean Theorem, determine the distance the player and ball travels.

1. Player A serves from (-14, -8) to Player C at (16, 6). How far did the ball travel?
   answer here

2. Player C returns the ball from (16, 6) to (-15, 2). How far did the ball travel?
   answer here

3. Player A scores a point by returning the ball from (-15, 2) to (5, -6). How far did the ball travel?
   answer here

Evaluate

Create your own question, modeling a point in tennis similar to those calculated in *Elaborate*.

answer here