

Objective: Foster a collaborative effort between G-TEAMS fellow and teacher partner to educate students on the elegance of mathematics and its boundless connection to our everyday world.

Topics Covered:

Algebra

- Relationship between quantities
- Data Representation
- Linear Equations
- Exponential Equations
- Proofs
- Inequalities

Geometry

- Logic
- Congruence/Similarity
- Special Triangles
- Geometric Shapes



Why G-TEAMS?

Participating in G-TEAMS, you will gain:

Fellow's Perspective:

- Confidence in teaching to various learning styles
- Exposure to unpacking the Common Core Standards
- Gratification of influencing students who could potentially change the world
- Alternate approaches to teaching

Teacher's Perspective:

- A qualified and enthusiastic co-teacher and collaborator
- A positive and more productive classroom environment
- Valuable educational discussions and insights to help guide classroom decisions

Student's Perspective:

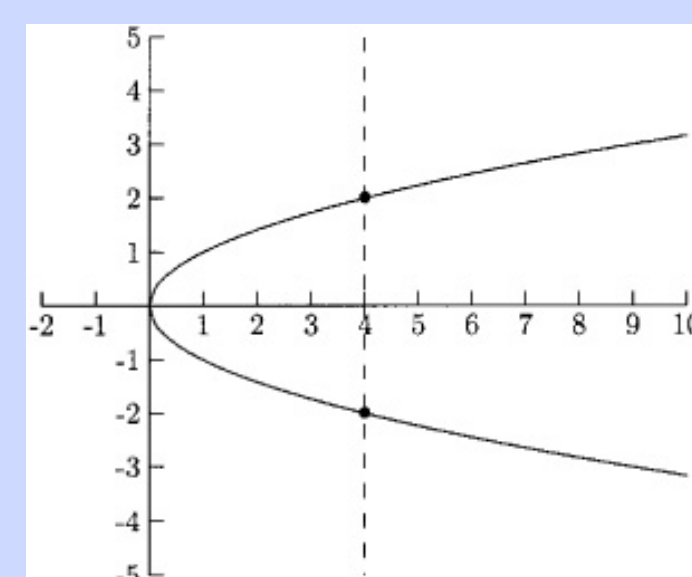
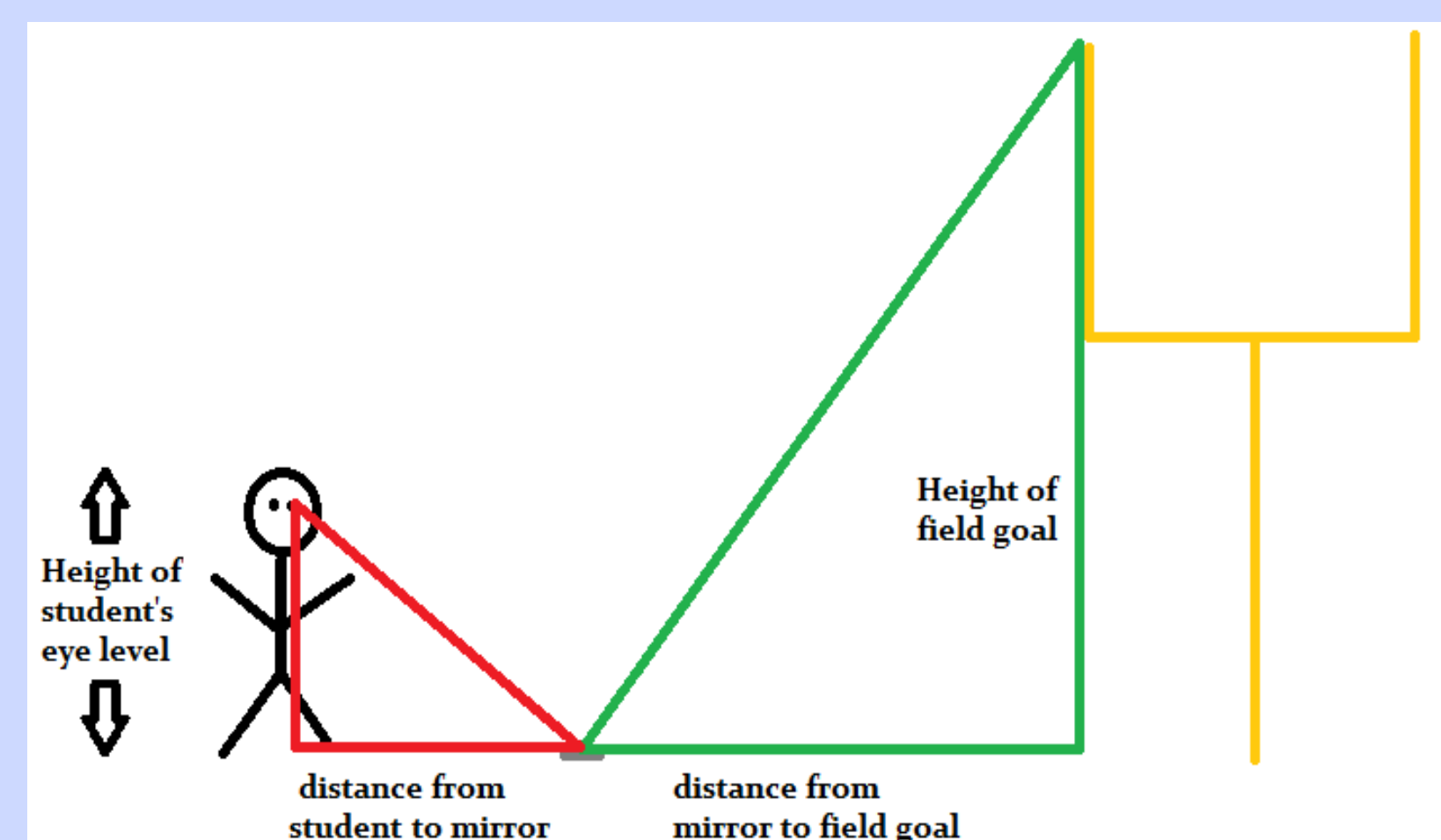
- Confidence to ask questions/pin-point their own mistakes
- Confidence in relaying thought using mathematical language
- Instruction from a qualified professional in scientific field
- More one-on-one attention with two teachers in the classroom
- Clarification with different viewpoints or methods of explanation

Teaching Material:

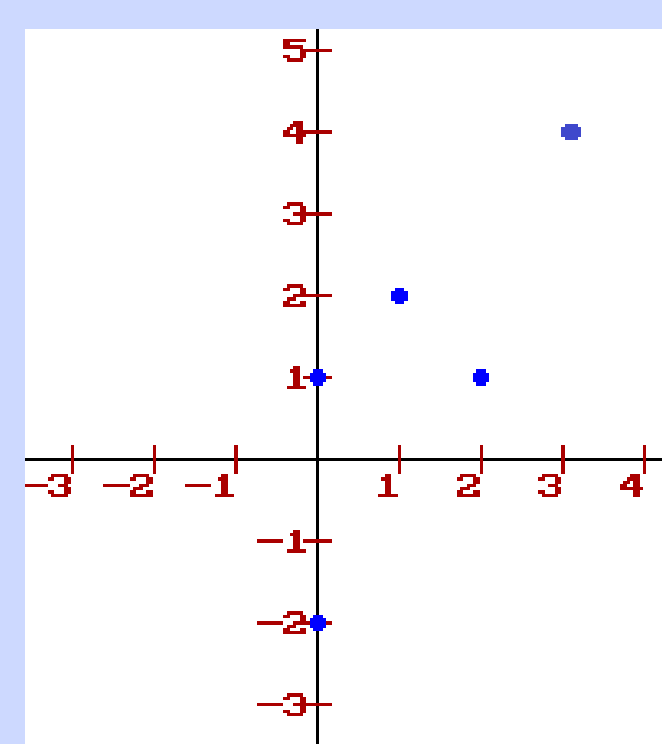
Algebra 1: Jeopardy review

Definitions	Logic	Functions	Tell me "y"	RANDOM
10	10	10	10	10
20	20	20	20	20
30	30	30	30	30
40	40	40	40	40
50	50	50	50	50

Geometry: Calculating the height of the football field goal post using similar triangles



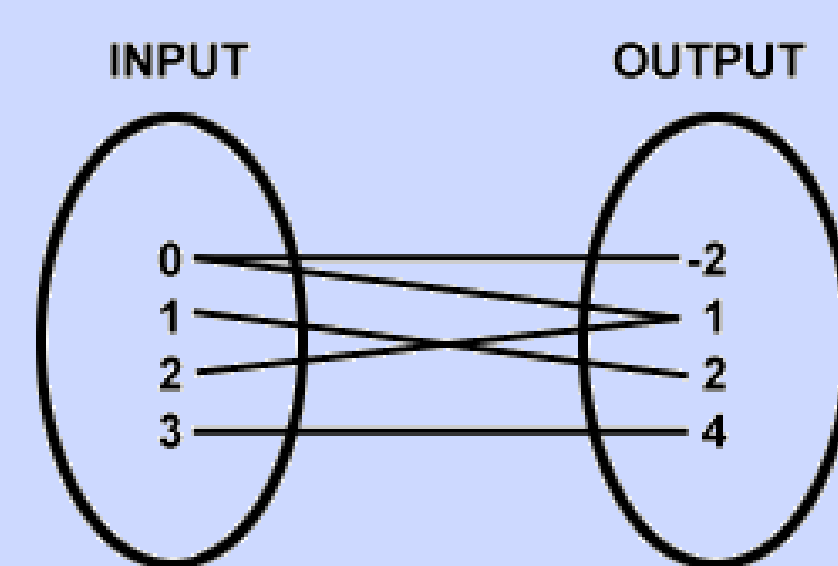
What is the domain/range of this plot?



Graph

x	y
0	-2
0	1
1	2
2	1
3	4

Table



Mapping



3D IMAGES

