



Human Graphing Activity

Materials:

- 3 by 5 white index cards for each point graphed
- 1 – 16 ft rope to represent the x-axis (0 to 10), each number should be placed 18 inches apart
- 1 – 16 ft rope to represent the y-axis (0 to 10), each number should be placed 18 inches apart
- 21 - Round price tags with ring to label the scale on the x and y-axes.
- Graph paper with 6 tables and graphs, see below
- Ball of yarn.

Directions:

Prior to the activity:

- Prepare the 3 by 5 cards, LAMINATE IF POSSIBLE
 - Right, Isosceles Triangle: 1st (8, 2), 2nd (2, 8) and 3rd (2, 2), written in red
 - Obtuse, Scalene Triangle 2: 1st (5, 1), 2nd (9, 1), and 3rd (1, 7), written in blue
 - Trapezoid: 1st (4, 0), 2nd (4, 8), 3rd (1, 6) and 4th (1, 3), written in green
 - Rhombus: 1st (5, 1), 2nd (7, 5), 3rd (5, 9) and 4th (3, 5), written in black
 - Parallelogram: 1st (0, 3), 2nd (1, 0), 3rd (5, 4) and 4th (4, 7), written in brown
 - Pentagon: 1st (0, 8), 2nd (2, 4), 3rd (7, 1), 4th (9, 3), and 5th (9, 8), written in purple
 - Hexagon: 1st (7, 0), 2nd (10, 3), 3rd (10, 8), 4th (5, 10), 5th (1, 8) and 6th (2, 3), written in orange
- Tie the two ropes together and place the numbers every 18 inches, 0 – 10 on the x-axis and 0 – 10 on the y-axis
- Place the rope on the ground outside. (Make sure the axes correlates to how it would look on a coordinate plane.)
- Make enough copies of the “Human Graphing” graph paper 2 sided with a total of 6 graphs for each student. SEE BELOW



April 2014

The activity: **Go outside**

- Hand out the “Human Graphing” handout to each student. Have them also bring a hard surface to write on and a pencil.
- Handout the 29 cards to different students
- Ask all the students with red numbers to come forward and then ask the one with the coordinate pair labeled 1st take their place on the human coordinate plane, hand that student the ball of yarn.
- Next, ask the person with a coordinate pair labeled 2nd take their place on the human coordinate plane, pass the ball of yarn to the 2nd student allowing the 1st student to hold the end of the yarn.
- Continue this process until all the students with the same color coordinate pairs are properly placed on the coordinate grid, then hand the 1st person the ball of yarn. This will complete a geometric shape of some sort.
- The students not participating in the human graphing should record the results on the graph paper provided. Recording the coordinate points in the table and then plotting the points and drawing the lines to create the shapes. Ask the students to name the shape.
- Repeat this process with each different colored set of numbers.
- The students not in the human graph should record the results on their graph paper.

*** MOST OF ALL – HAVE FUN WITH IT – MAKE IT YOUR OWN BY ADDING YOUR OWN PERSONAL TOUCH!!!! :o)

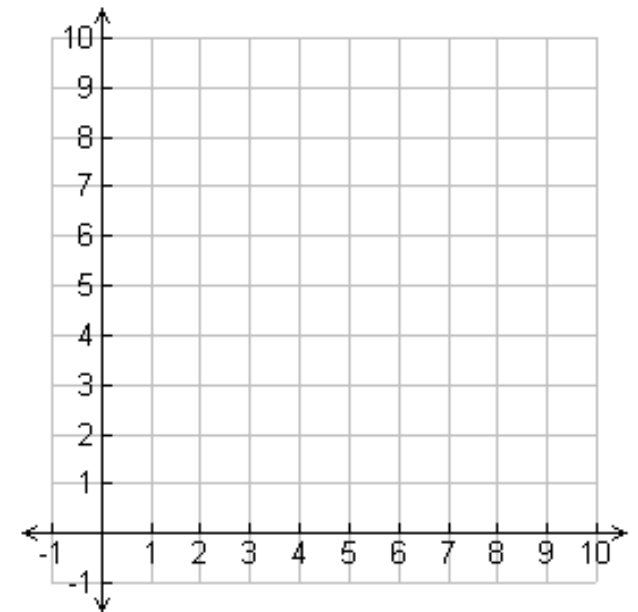
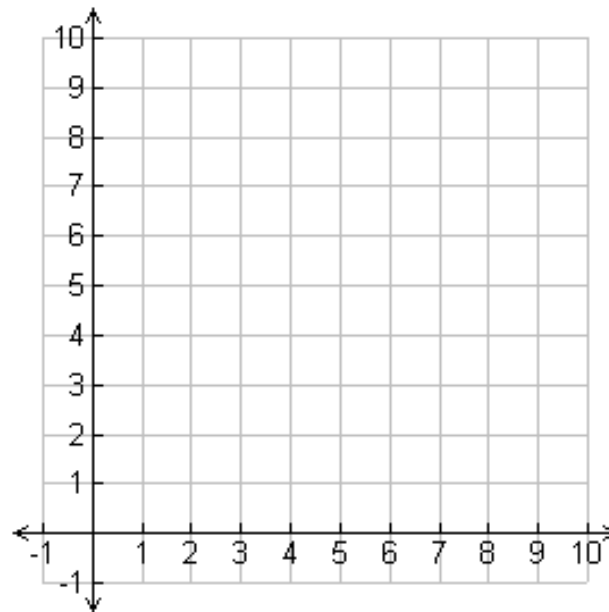
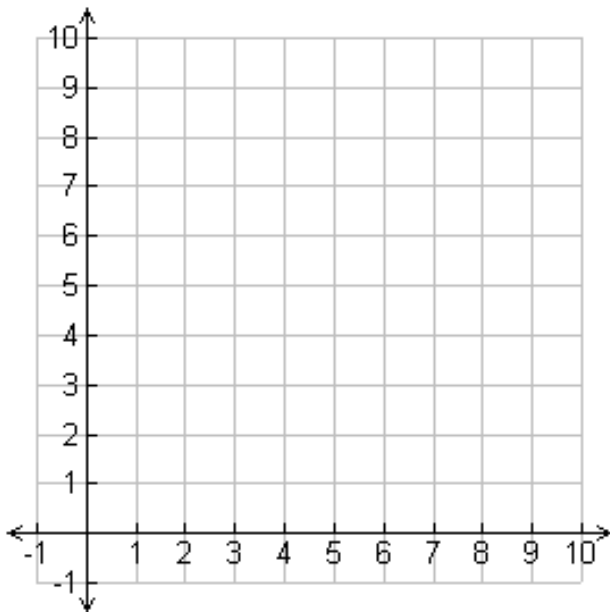


Human Graphing Activity

| Input x | Output y | Color: | Shape: |
|--------------|---------------|---------------|---------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| Input x | Output y | Color: | Shape: |
|--------------|---------------|---------------|---------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| Input x | Output y | Color: | Shape: |
|--------------|---------------|---------------|---------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |





Human Graphing

| Input x | Output y |
|--------------|---------------|
| | |
| | |
| | |
| | |
| | |
| | |

Color:
Shape:

| Input x | Output y |
|--------------|---------------|
| | |
| | |
| | |
| | |
| | |
| | |

Color:
Shape:

| Input x | Output y |
|--------------|---------------|
| | |
| | |
| | |
| | |
| | |
| | |

Color:
Shape:

