

Ready, Set, Go!

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Ready

Topic: Write the equation of a line given two points.

Find the equation of the line that goes through each pair of points. Graph the equation and explain the values for x that would work for each line.

1. (5,2) and (7,0)
2. (-4,2) and (6,6)
3. (3,0) and (0, 4)
4. (2,-4) and (2, 6)
5. (2,2) and (8,8)

Set

Topic: Find the recursive and explicit equations for each geometric sequence.

6. 2, 4, 8, 16...
- 7.

Time (days)	Number of cells
1	3
2	6
3	12
4	24

8. Claire has \$300 in an account. She decides she is going to take out half of the money remaining in the account at the end of each month.

9. Tania creates a chain letter and sends it to four friends. Each friend is then instructed to send it to four of their friends, and so forth.

10.

Day 1	Day 2	Day 3
+ +	+ + + +	+ + + + + + + +
+ +	+ + + +	+ + + + + + + +
+ +	+ + + +	+ + + + + + + +



Go

Topic: Graph sequences

Graph each problem. Focus on creating a 'good viewing window'. Label axes and scale. Explain the values of x that make sense for each situation.

1. 2, 4, 8, 16...
- 2.

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+ +	+ + + +	+ + + + + + + +
+ +	+ + + +	+ + + + + + + +

Need Help? Check out these related videos:

Find equation of line <http://patrickjmt.com/find-the-equation-of-a-line-using-point-slope-form/>

