

SMART START - Nov 26th

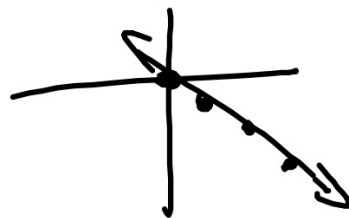
determine whether each equation is a linear equation

1) $y = -4x + 3$ $y + 4x = 3$ yes

2) $x^2 + 3y = 8$ no

3) $(\frac{1}{4}x - \frac{3}{4}y) = (-1) \cdot 4$

$x - 3y = -4$



$y = -2x$

0 0

1 -2

2 -4

3 -6

graph each equation using the x and y intercepts

1) $y = 3x - 6$ $2(0) + 5y = 10$

$2x + 5(0) = 10$

2) $2x + 5y = 10$

$5y = 10$

$y = 2$

$2x = 10$

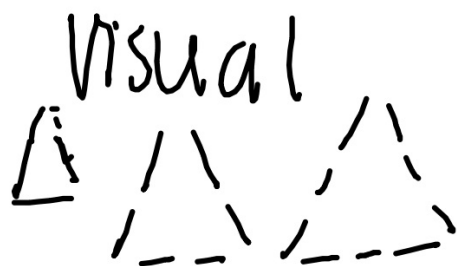
$x = 5$

graph by making a table

1) $y = -2x$

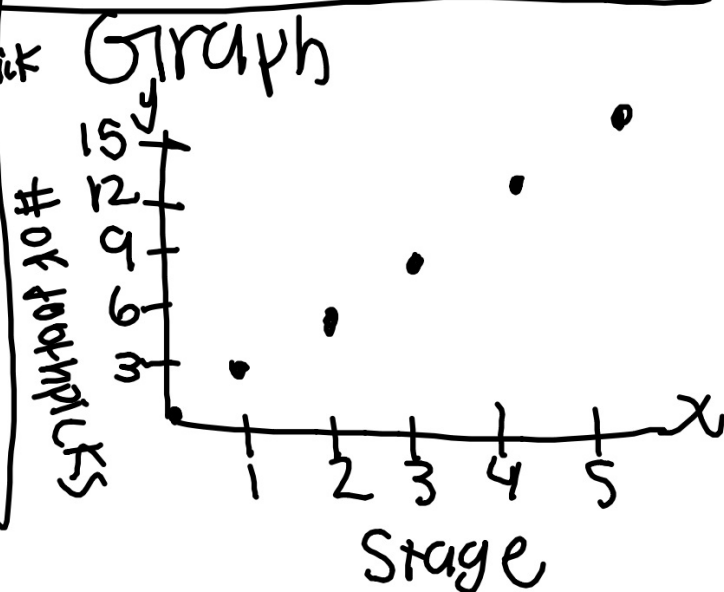
7) $x = 8 - y$
 $x + y = 8$

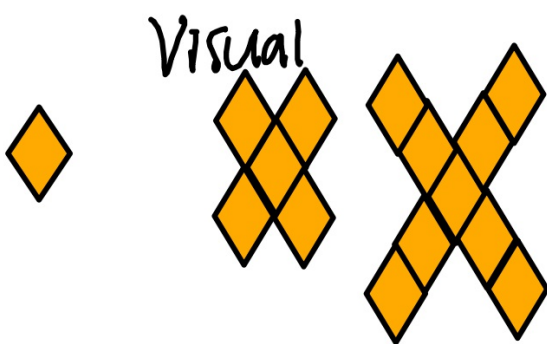
$y = 8 - x$



Verbal Algebraic

stage	table	# of toothpicks
1		3
2		6
3		9
4		12
5		15

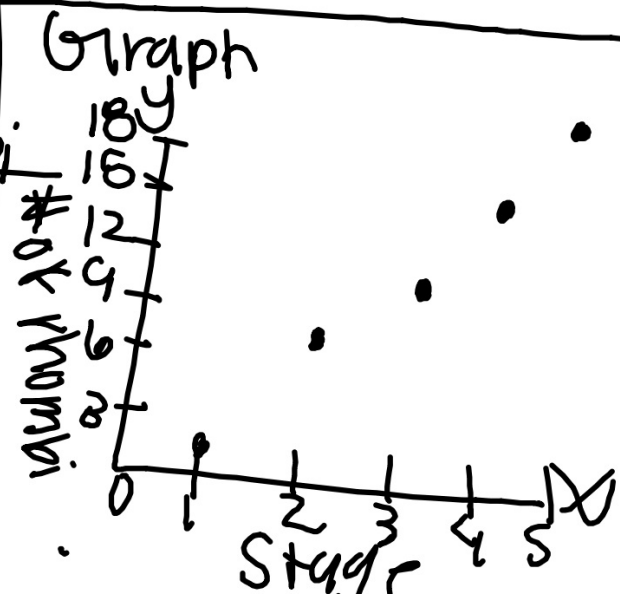




Verbal/Algebraic
adding 4 rhombi
each time

Table

stage	# of rhombi
1	1
2	4
3	9
4	16
5	25



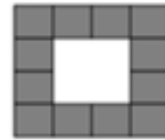
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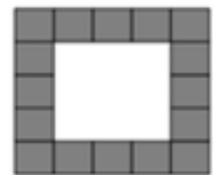
②



1



2



3

③



1st



2nd



3rd



4th

④

