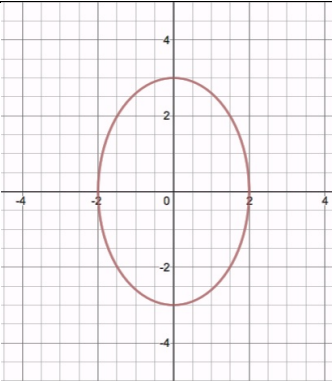
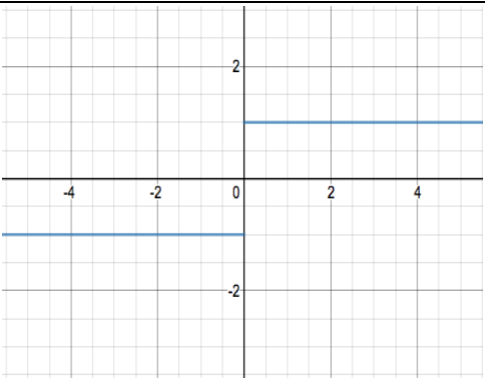
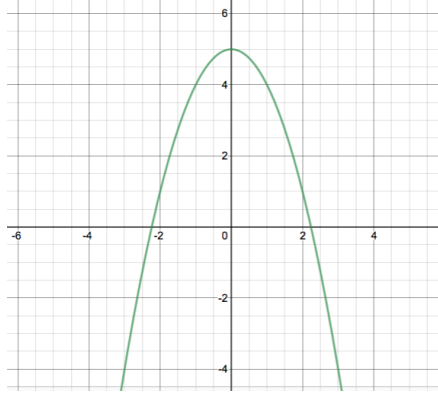


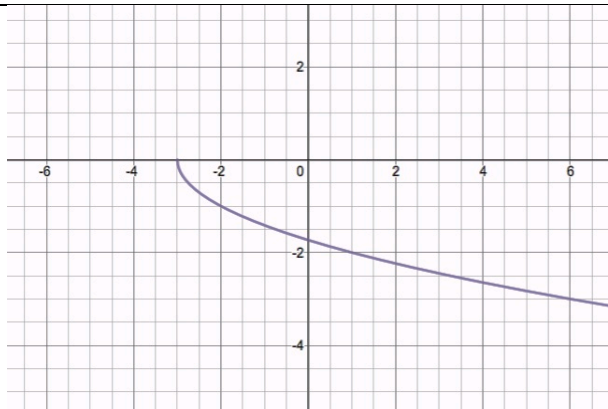
**Relations, Functions, Domain, Range and Linear Function  
In-Class Assignment**

1. Using the set notation, describe the domain and range of each relation. Determine whether the given relation is a function. If the relation has x-intercept(s) and y-intercept(s), give their exact coordinates.

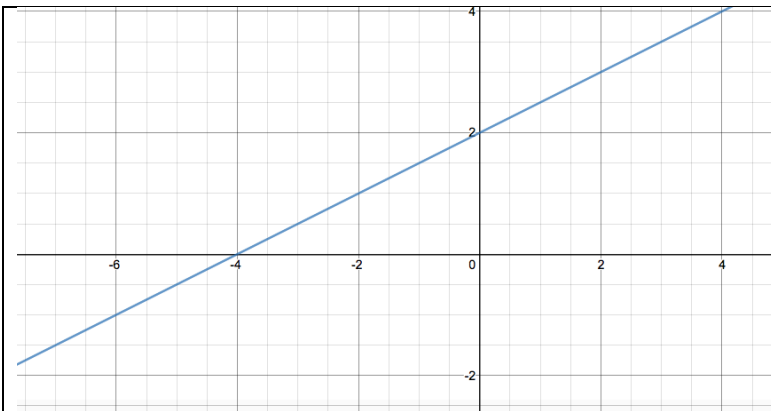
	Domain	
	Range	
	Is the given relation a function?	
	x-intercept(s)	
	y-intercept(s)	
	Domain	
	Range	
	Is the given relation a function?	
	x-intercept(s)	
	y-intercept(s)	



Domain	
Range	
Is the given relation a function?	
x-intercept(s)	
y-intercept(s)	

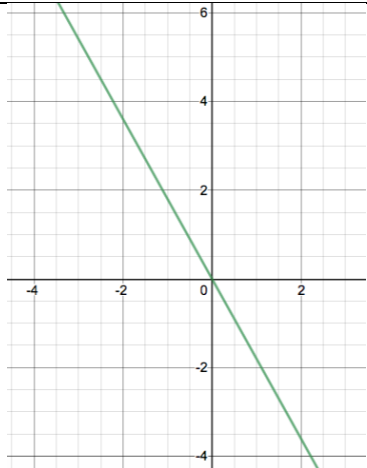


Domain	
Range	
Is the given relation a function?	
x-intercept(s)	
y-intercept(s)	



Domain	
Range	
Is the given relation a function?	
x-intercept(s)	
y-intercept(s)	

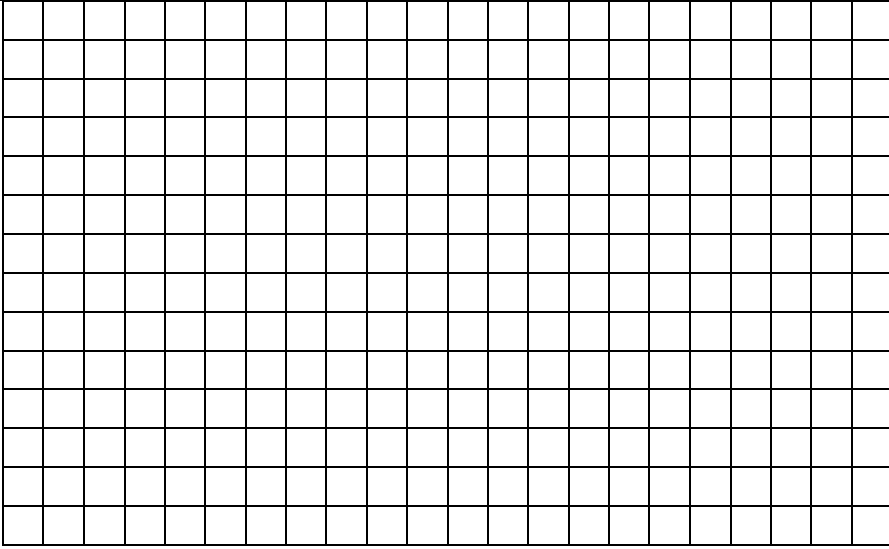
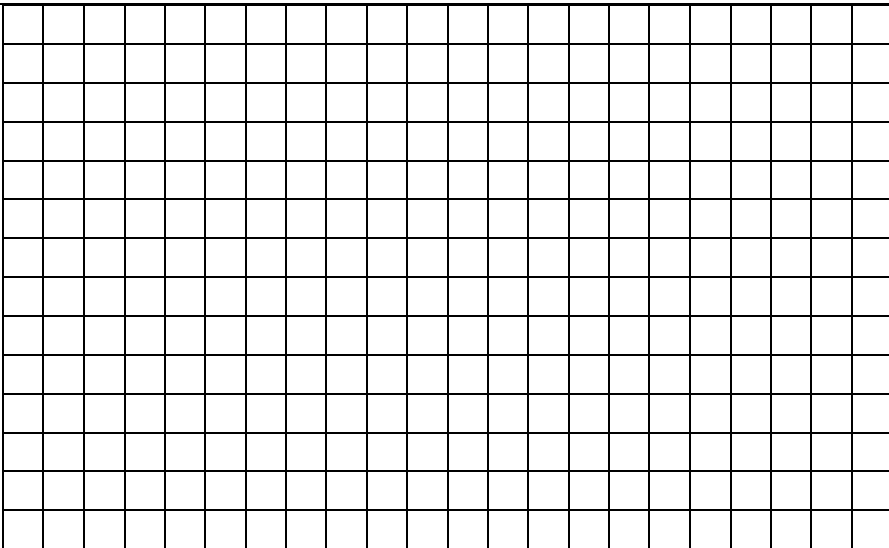
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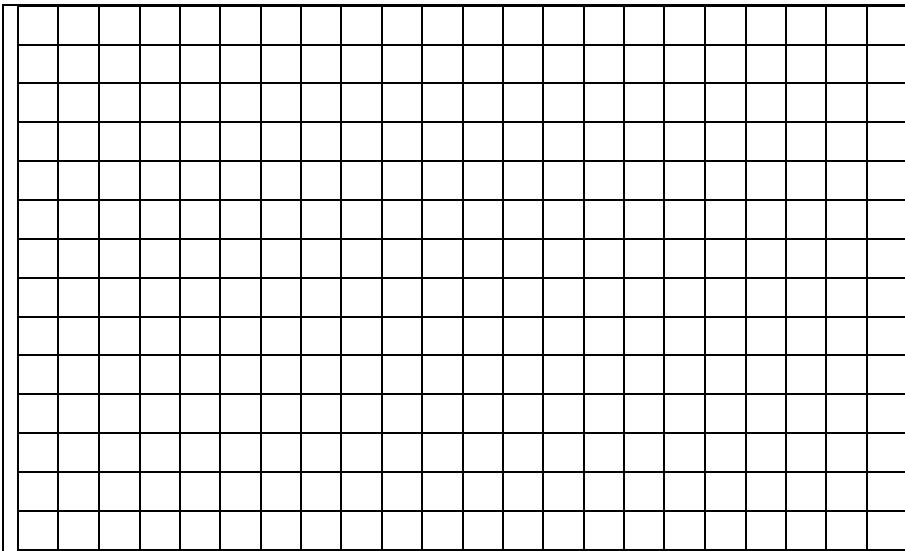


Domain	
Range	
Is the given relation a function?	
x-intercept(s)	
y-intercept(s)	

	Domain	
	Range	
	Is the given relation a function?	
	x-intercept(s)	
	y-intercept(s)	
	Domain	
	Range	
	Is the given relation a function?	
	x-intercept(s)	
	y-intercept(s)	

2. Graph the given line and state the coordinates of the y-intercept, the slope and end behavior (increasing, decreasing, constant – slope of zero, or infinite slope – vertical line, not a function).

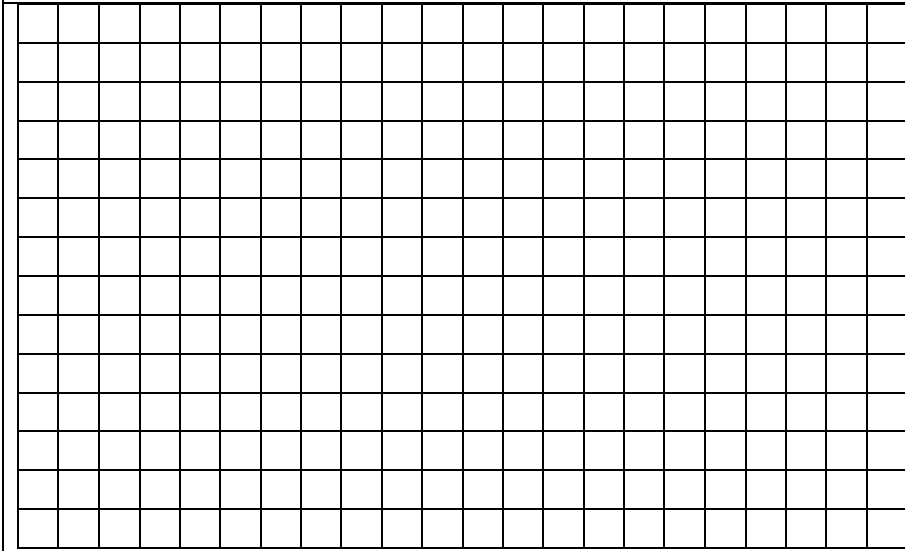
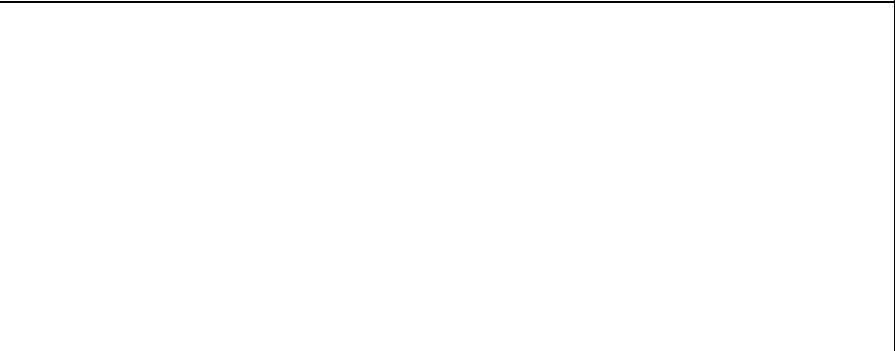
	Equation: $y = 0.5x - 4$
	y-intercept:
	Slope:
	End behavior:
	Equation: $y = 3x$
	y-intercept:
	Slope:
	End behavior:



Equation:  $y = x - 3$

y-intercept:

Slope:

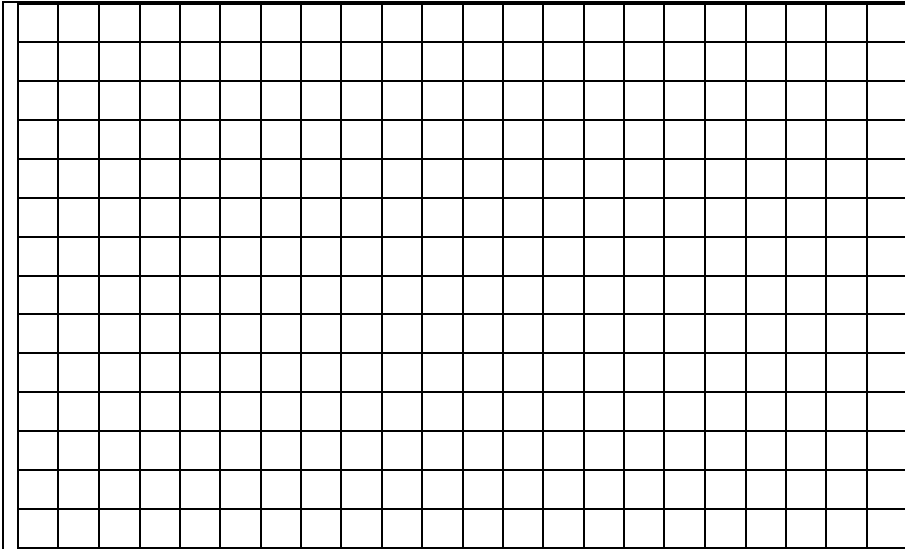


Equation:  $y = -x + 2$

y-intercept:

Slope:

End behavior:

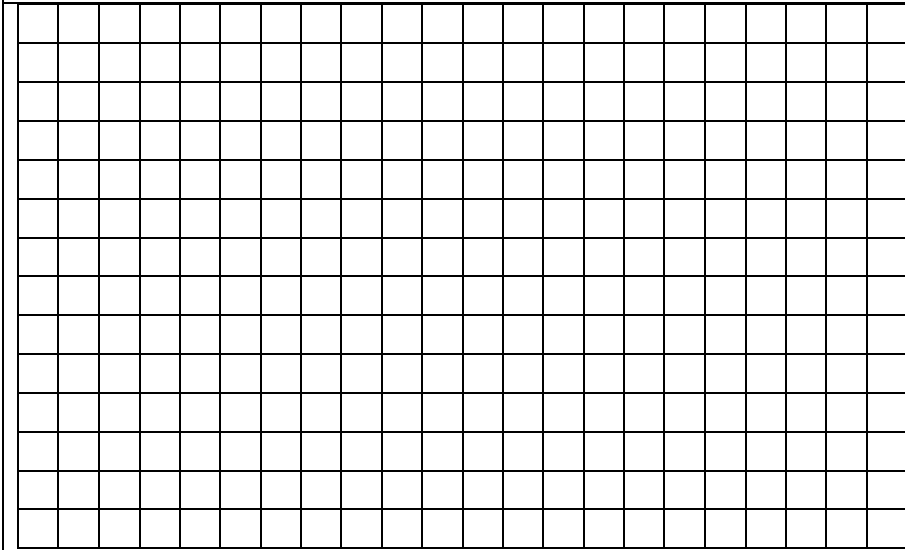


Equation:  $y = \frac{-4}{5}x + 1$

y-intercept:

Slope:

End behavior:

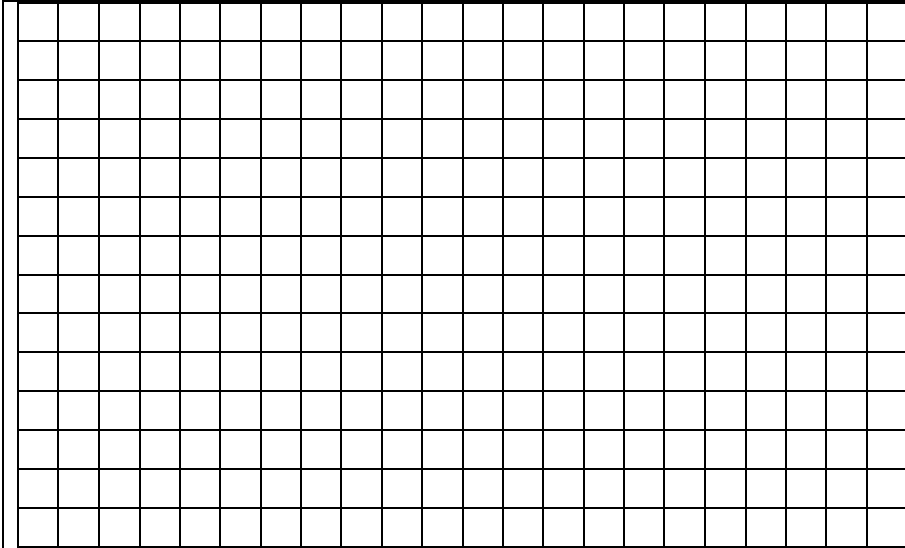


Equation:  $y = -6$

y-intercept:

Slope:

End behavior:

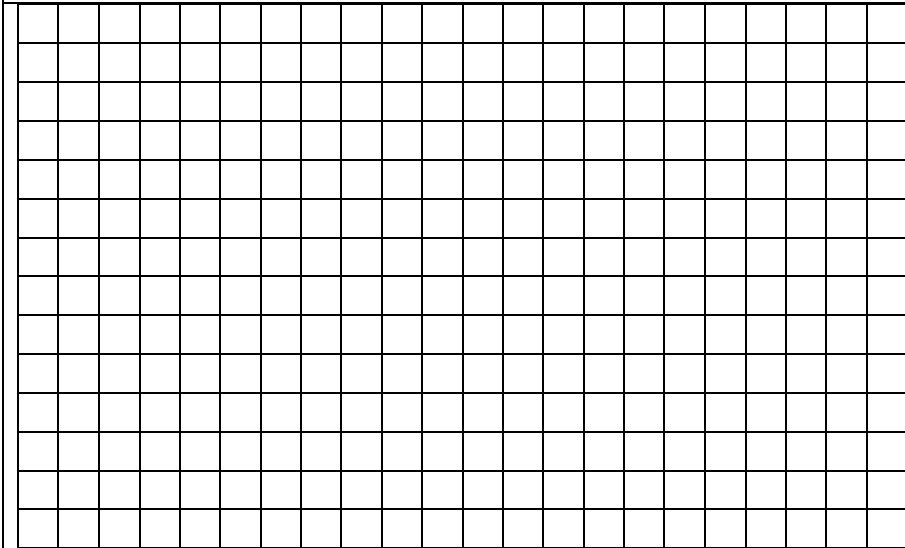


Equation:  $x = -4$

y-intercept:

Slope:

End behavior:



Equation:  $y = \frac{1}{5}x + 6$

y-intercept:

Slope:

End behavior: