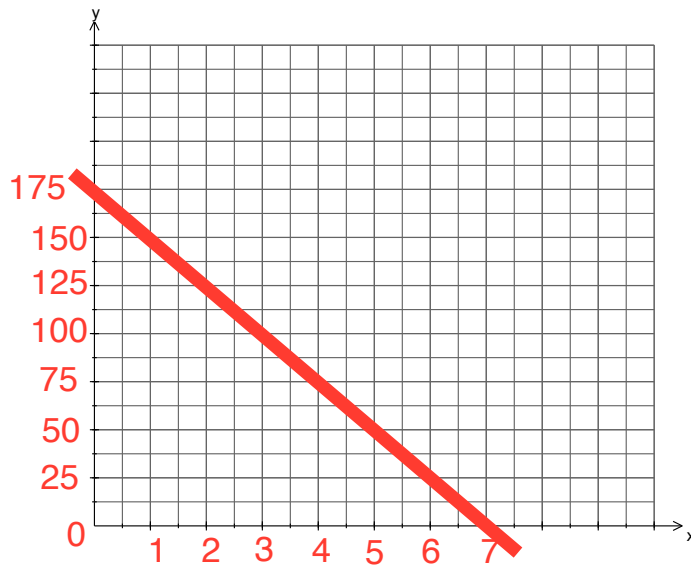


For each of the following table of values or equations:

- graph the relation (connect the points given) using the indicated domain.
- determine the properties for each graph
- given the table, determine the rule OR given the rule, fill in the table

1)

x	y
1	150
3	100
5	50
6	25

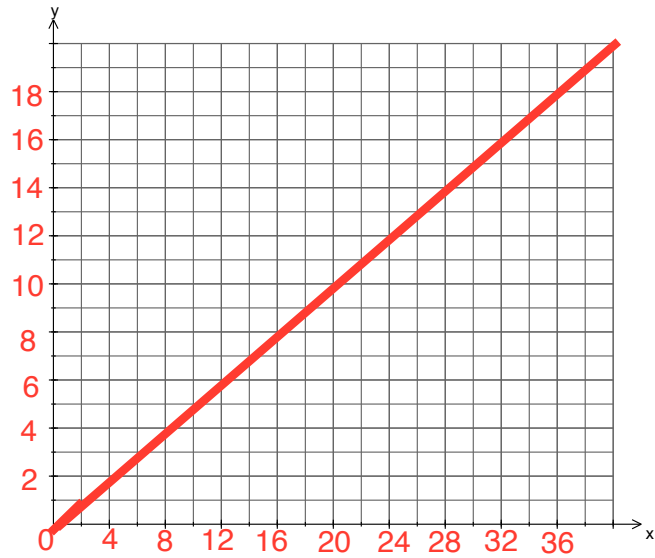


Determine the Rule: $y = -25x + 175$

Domain:	\mathbb{R}
Range:	\mathbb{R}
Maximum:	\emptyset
Minimum:	\emptyset
Initial value (y-intercept):	$\{175\}$
zero(s)/ x-intercepts:	$\{7\}$
Positive:	$]-\infty, 7]$
Negative:	$[7, \infty[$
Increasing:	\emptyset
Decreasing:	\mathbb{R}

2)

x	y
0	0
2	1
16	8
24	12
30	15
34	17

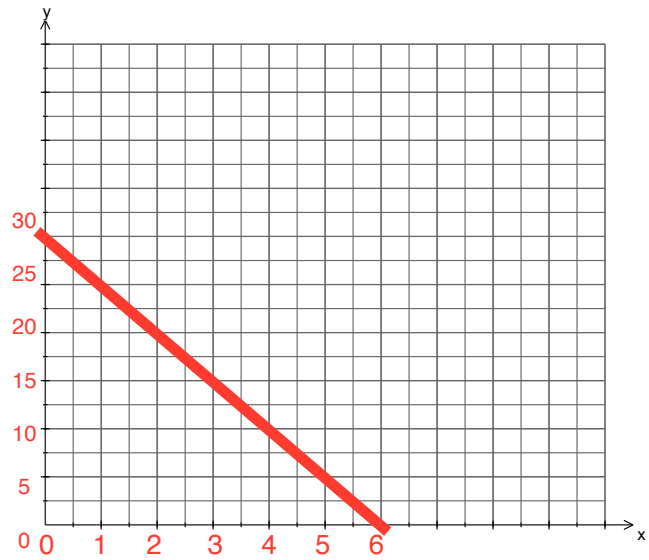


Determine the rule: $y = (1/2)x$

Domain:	\mathbb{R}
Range:	\mathbb{R}
Maximum:	\emptyset
Minimum:	\emptyset
Initial value (y-intercept):	$\{0\}$
zero(s)/ x-intercepts:	$\{0\}$
Positive:	$[0, \text{infinity}[$
Negative:	$] - \text{infinity}, 0]$
Increasing:	\mathbb{R}
Decreasing:	\emptyset

3) Graph $y = -5x + 30$

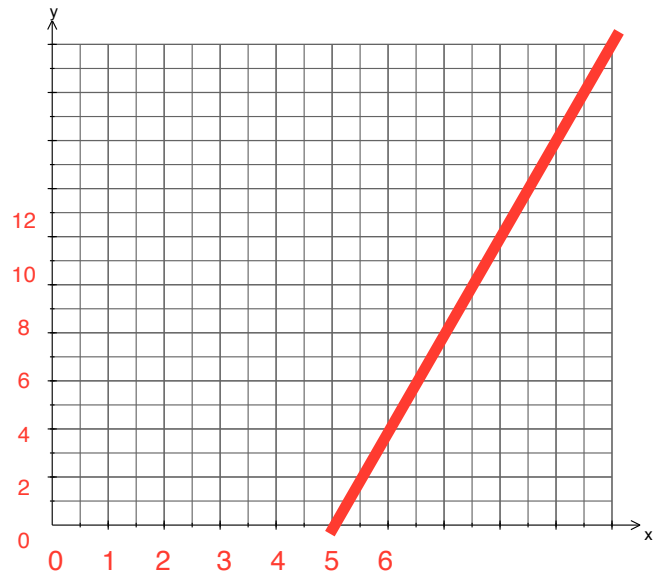
x	y
0	30
1	25
2	20
3	15
4	10
5	5
6	0



Domain:	\mathbb{R}
Range:	\mathbb{R}
Maximum:	\emptyset
Minimum:	\emptyset
Initial value (y-intercept):	$\{30\}$
zero(s)/ x-intercepts:	$\{6\}$
Positive:	$] - \text{infinity}, 6]$
Negative:	$[6, \text{infinity} [$
Increasing:	\emptyset
Decreasing:	\mathbb{R}

4) Graph $y = 4x - 20$

x	y
0	-20
1	-16
2	-12
3	-8
4	-4
5	0
6	4



Domain:	\mathbb{R}
Range:	\mathbb{R}
Maximum:	\emptyset
Minimum:	\emptyset
Initial value (y-intercept):	$\{-20\}$
zero(s)/ x-intercepts:	$\{5\}$
Positive:	$[5, \text{infinity} [$
Negative:	$] -\text{infinity}, 5]$
Increasing:	\mathbb{R}
Decreasing:	\emptyset