

For the following patterns: make a continuous graph identify the domain and range, and try to describe the shape of the graph

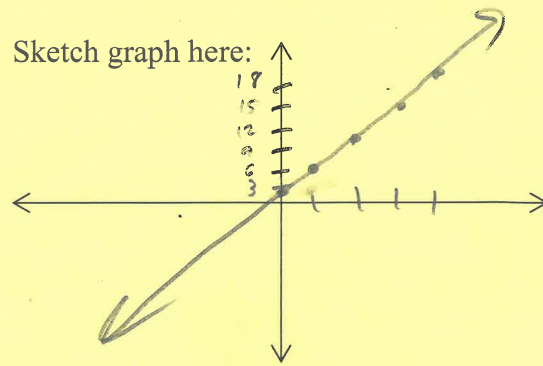
1) 

x	0	1	2	3	4
y	2	6	10	14	18

Domain:  $(-\infty, +\infty)$

Range:  $(-\infty, +\infty)$

Graph shape: linear, increasing, etc.



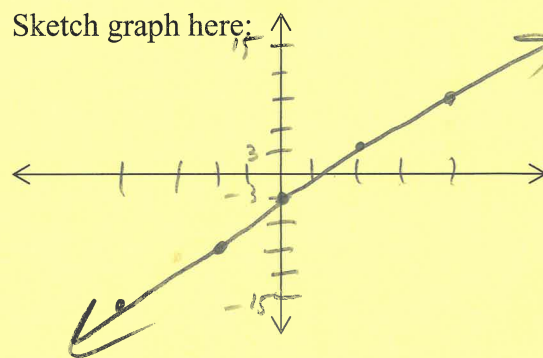
2) 

x	-4	-2	0	2	4
y	-15	-9	-3	3	9

Domain:  $(-\infty, +\infty)$

Range:  $(-\infty, +\infty)$

Graph shape: linear, increasing, etc.



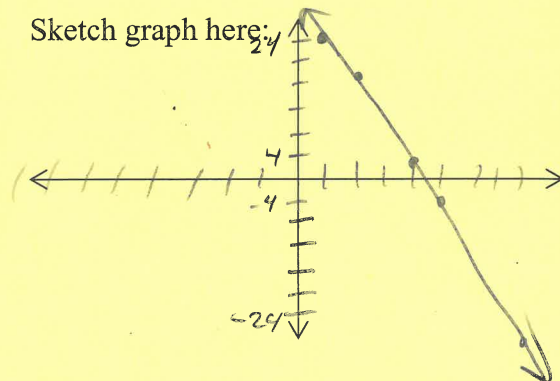
3) 

x	1	2	4	5	8
y	24	17	3	-4	-25

Domain:  $(-\infty, +\infty)$

Range:  $(-\infty, +\infty)$

Graph shape:



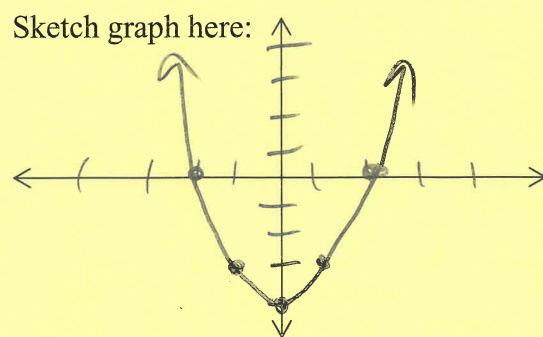
4) 

x	-2	-1	0	1	2
y	0	-3	-4	-3	0

Domain:  $(-\infty, +\infty)$

Range:  $[-4, +\infty)$

Graph shape: parabola, u-shape, etc.



5)

x	-4	-3	-2	-1	0
y	-13	-6	-1	2	3

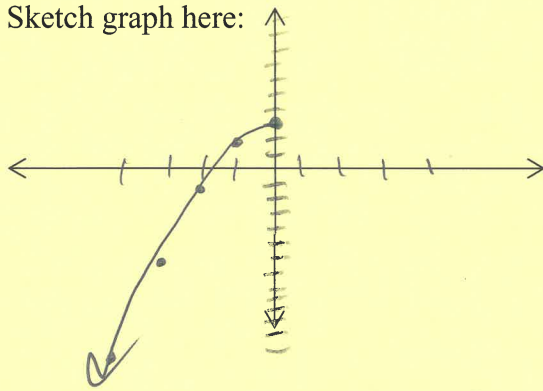
$\checkmark$     $\checkmark$     $\checkmark$     $\checkmark$   
 7   5   3   1

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Graph shape:

Sketch graph here:



6)

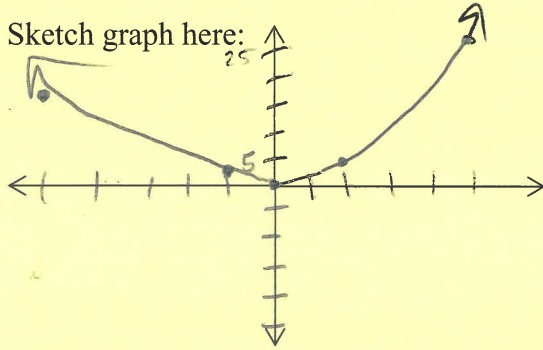
x	-4	-1	0	2	5
y	16	1	0	4	25

Domain:  $(-\infty, +\infty)$

Range:  $[0, +\infty)$

Graph shape:  
parabola, u-shape, etc.

Sketch graph here:



7)

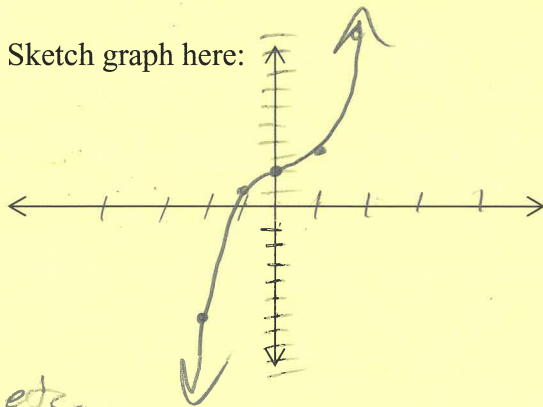
x	-2	-1	0	1	2
y	-6	1	2	3	10

Domain:  $(-\infty, +\infty)$

Range:  $(-\infty, +\infty)$

Graph shape:  
Increasingly, cubic, squiggle, etc.

Sketch graph here:



8)

x	-1	0	1	2	3
y	-0.5	0	0.5	4	13.5

Domain:  $(-\infty, +\infty)$

Range:  $(-\infty, +\infty)$

Graph shape:  
Increasingly, cubic, squiggle, etc.

Sketch graph here:

