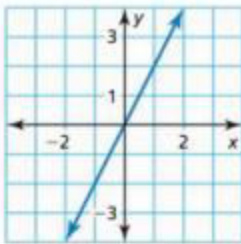Name: _____   Date: _____   Period: _____

Identifying Linear Functions

Does the graph represent a *linear* or *nonlinear* function?
Explain.

1)

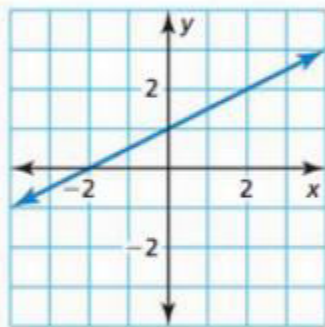
2)

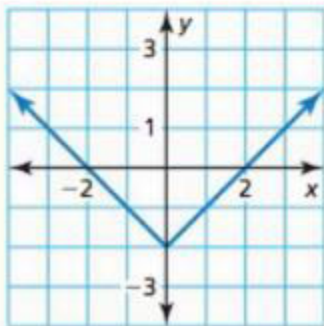| x	1	3	5	7
y	2	9	20	35

3)

4)

x	0	1	2	3
y	3	5	7	9

5)

6)

x	1	2	3	4
y	16	8	4	2

Which of the following equations represent linear functions?
Explain.

1) $y = x + 9$

2) $y = \dfrac{3x}{5}$

3) $y = 5 - 2x^2$