Name: \_\_\_\_\_ Hour: \_\_\_\_

1) Identify the common  $2^{nd}$  difference and the next term for each of these quadratic sequences:

ruchting the common 2 and check the next term for each of these quantum sequences.	
b) 6, 12, 20, 30,	
0-4 1:00	
2 <sup>nd</sup> difference:	
next term:	
d) 12, 56, 130, 234,	
2 <sup>nd</sup> difference:	
next term:	
f) -6, 5, 40, 99,	
2nd difference	
2 <sup>nd</sup> difference:	
next term:	

2) Identify if each sequence is *linear*, exponential, quadratic, or neither?

a) 6, 12, 24, 48, ...

b) -10 -12 -14 -16

b) -10, -12, -14, -16,
d) 8, 8, 8, 8,
f) 7, 12, 27, 32,
h) 2, 16, 36, 64,