

# Warm-Up: Friday 1/26/18

①  $6 + 6 = 12$       Then...       $x + x = \underline{\underline{2x}}$   
 $2(6) = 12$

②  $6 \cdot 6 = 36$       Then...       $x \cdot x = x^2$   
 $6^2 = 36$

③  $3^2 \cdot 3^2 = 9$       Then...       $x^2 \cdot x^2 = x^4$   
 $3 \cdot 3 \cdot 3 \cdot 3 = 3^4$

④  $\frac{5^2}{5^2} = 1$       Then...       $\frac{x^2}{x^2} = 1$

# Lesson 1.2: Wrap up

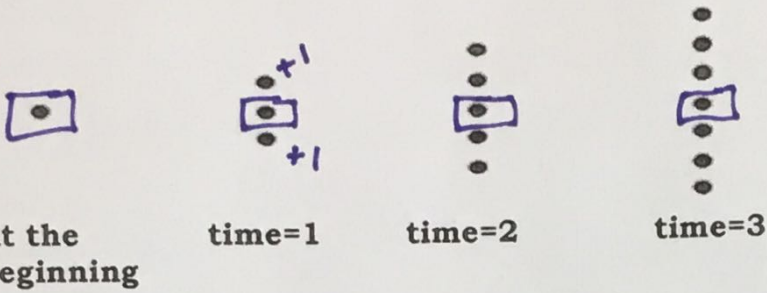
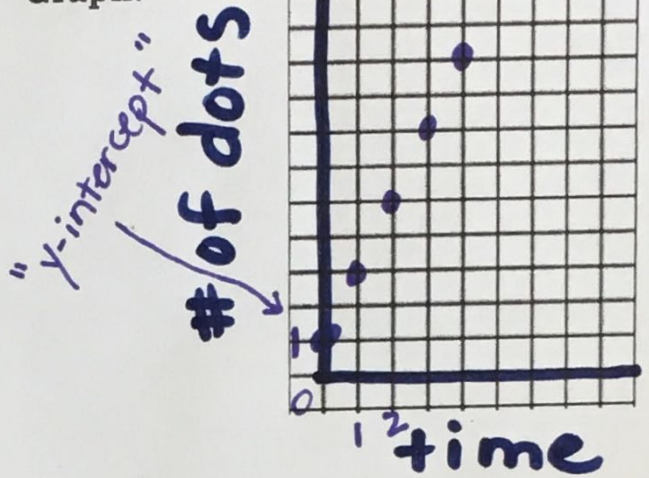


Table:  $n$   $f(n)$

time	dots
0	1
1	3
2	5
3	7
4	9

$\downarrow +2$  "rate of change"  
 $\downarrow +2$   
 $\downarrow +2$  "slope"  
 $\downarrow +2$

Graph:



Recursive Equation:

$$f(n) = f(n-1) + 2$$

$\uparrow$  current  
 $\uparrow$  previous  
 $\uparrow$  pattern

Explicit Equation:

$$y = 1 + 2x$$

$$y = 2x + 1$$