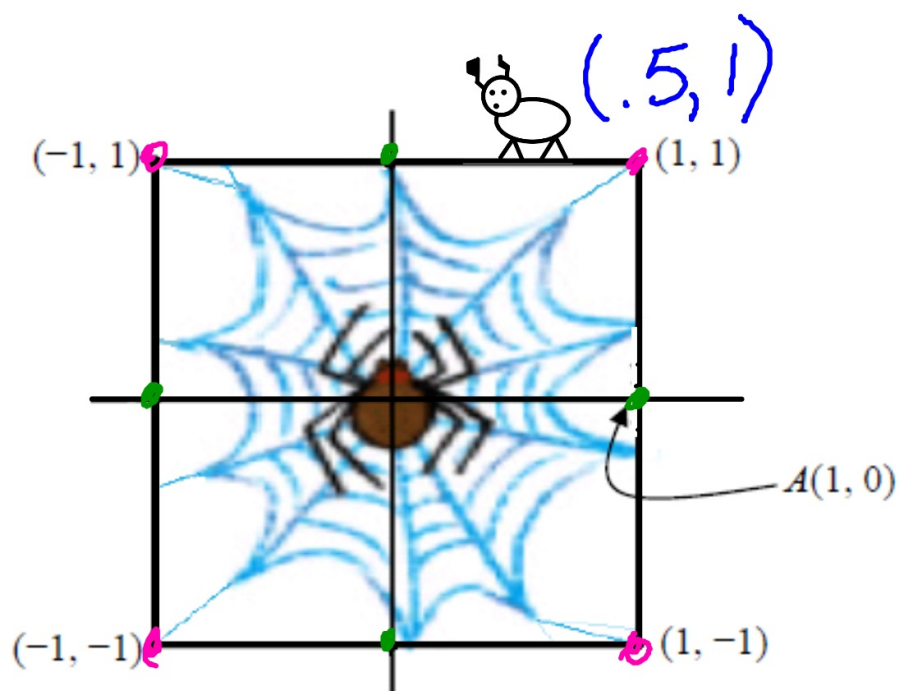
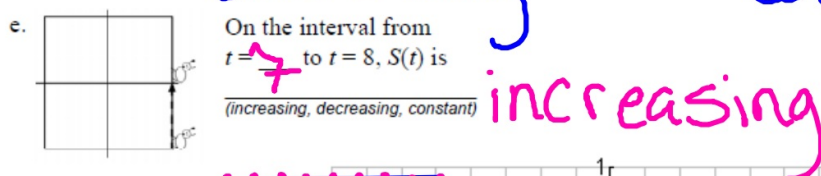
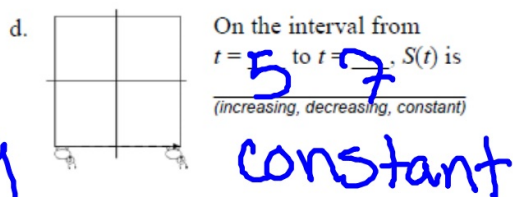
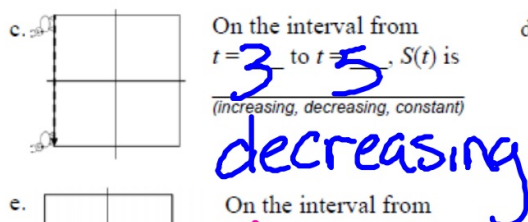
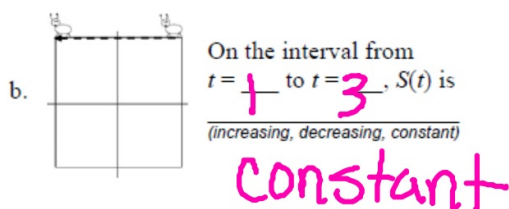
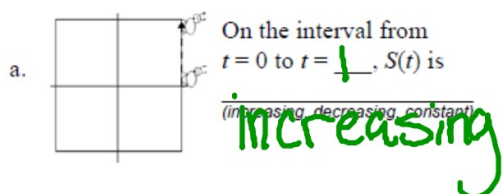
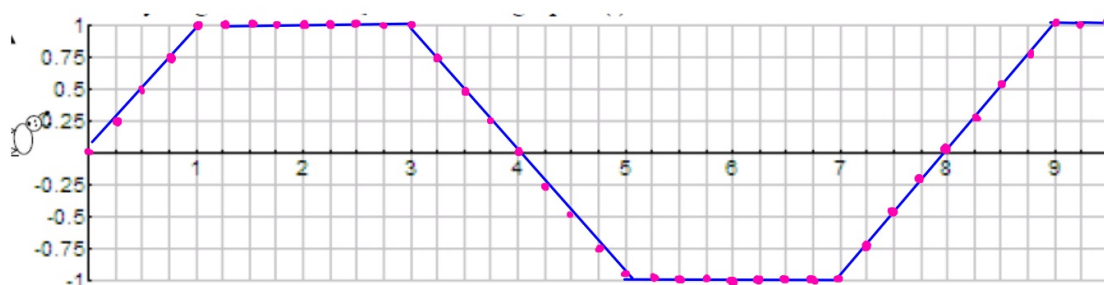
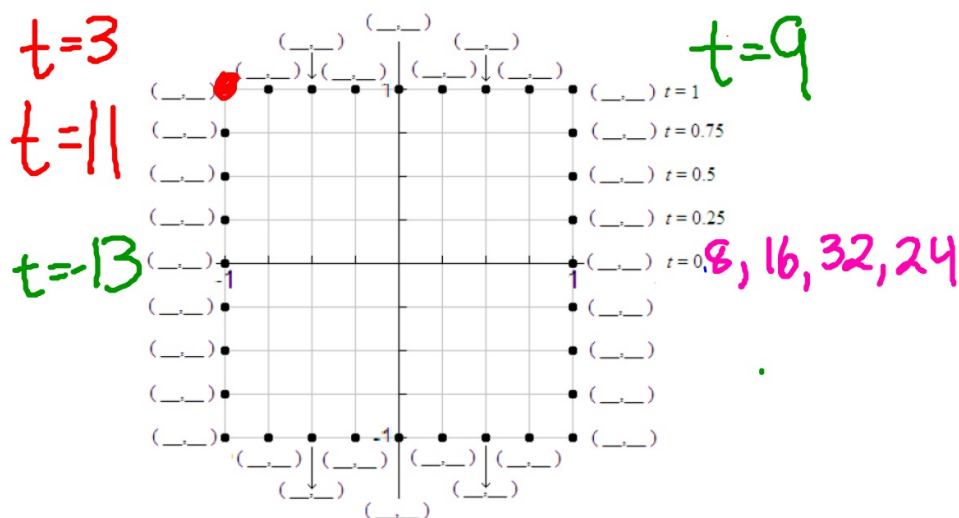
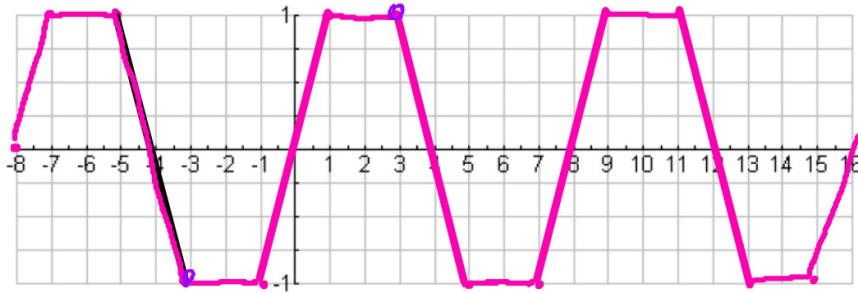


August 30

SWBAT: Describe the horizontal and vertical motion of a bug by creating graphs.







f. Find the values of each:

$$S(28) = \underline{0} \quad S(-305) = \underline{-1} \quad \begin{array}{r} 38 \text{ R } 1 \\ 8 \overline{) -305} \\ \underline{24} \phantom{0} \\ 65 \\ \underline{64} \\ 1 \end{array}$$

$$\frac{28}{8} = 3.5$$

$$\rightarrow 3 \text{ R } 4$$

$$\begin{array}{r} 38 \text{ R } 1 \\ 8 \overline{) -305} \\ \underline{24} \phantom{0} \\ 65 \\ \underline{64} \\ 1 \end{array}$$

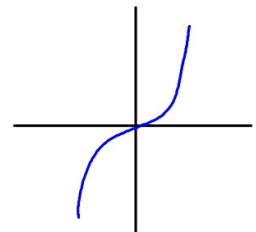
Odd  
function:

function that is  
symmetric over the  
line  $y = -x$   
 $f(x) = -f(-x)$

$$f(x) = x^3$$

$$f(4) = 4^3 = 64$$

$$f(-4) = (-4)^3 = -64$$



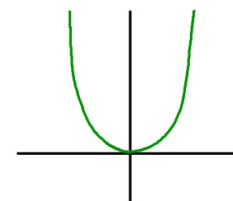
Even  
function:

function that is  
symmetric over  
the  $y$ -axis  
 $f(x) = f(-x)$

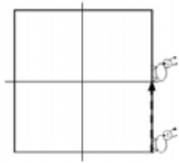
$$f(x) = x^2$$

$$f(5) = 5^2 = 25$$

$$f(-5) = (-5)^2 = 25$$



e.



On the interval from  
 $t = \underline{\hspace{1cm}}$  to  $t = 8$ ,  $C(t)$  is  
(increasing, decreasing, constant)

