

December 10

SWBAT:

Describe the location of vertical and horizontal asymptotes.



	Current Age (in years)	Age One Year from now (in years)
Cory	y	$y+1$
Cera	$4y+3$	$4y+4$
Miguel	$5y$	$10+3(y+1)$ $5y+1$

$$\begin{aligned}10+3(y+1) &= 5y+1 \\ 3y+13 &= 5y+1\end{aligned}$$

4) Complete the table that follows to show the numerical ages, in years, of each family member now and in future years.

	Age Now	Age in 1 Year	Age in 5 Years	Age in 10 Years	Age in x Years
Cory	6	7	11	16	$6 + x$
Cera	27	28	32	37	$27 + x$
Miguel	30	31	35	40	30 $+ x$

6f) How many times older than Cory would Cera be x years from now?

$$\frac{27 + x}{6 + x}$$