

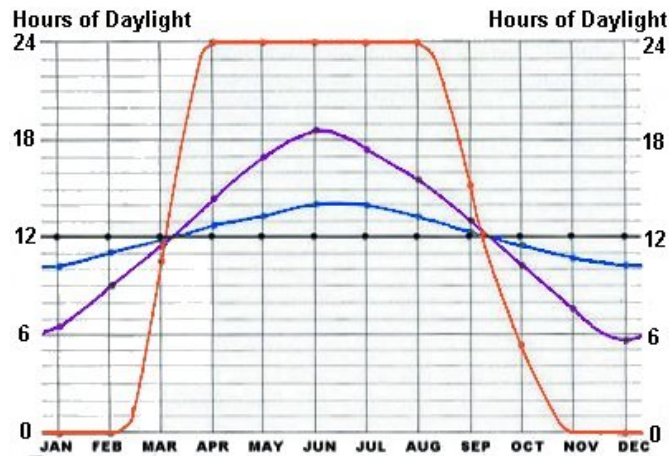
### Challenge #13

Albert found this graph of four functions on the ground. The key to the map was torn off and the domain and range of each of the functions were missing.

Determine which color represents each city.

Find the domain and range of each of the four functions.

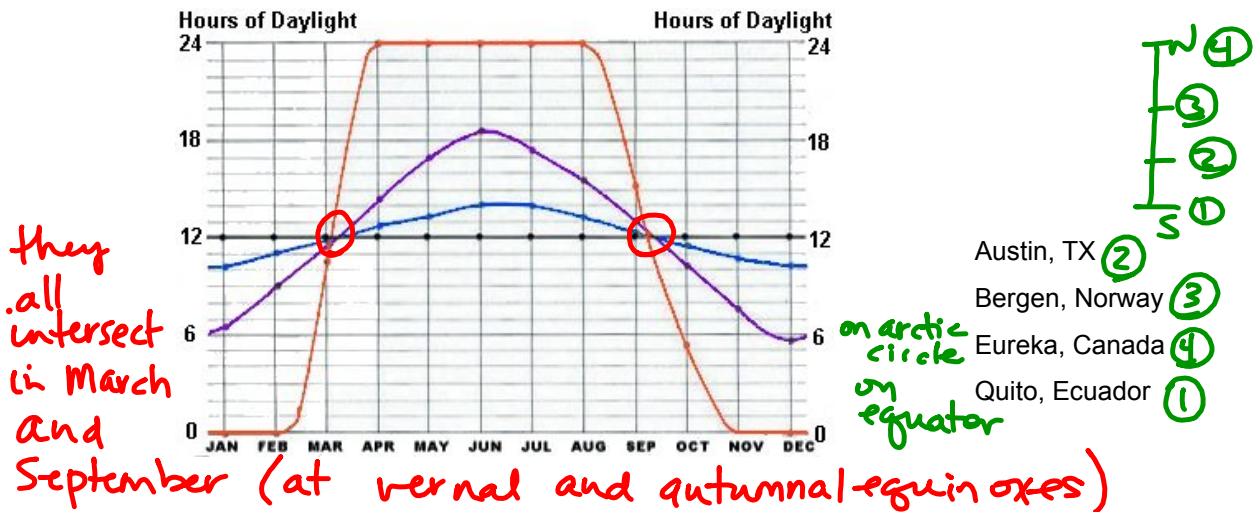
On which day(s) do all four functions intersect?



- Austin, TX
- Bergen, Norway
- Eureka, Canada
- Quito, Ecuador

### Challenge #13 Solution

Determine which color represents each city.  
 Find the domain and range of each of the four functions.  
 On which day(s) do all four functions intersect?



city	color	domain	range
Austin	blue	{Jan, Feb, ..., Dec}	[10, 14]
Bergen	purple	"	[5.5, 19]
Eureka	red	"	[0, 24]
Quito	black	"	{12}