

VD unit 4 topic 1 part 2

Assume the Sunrise today in {{City}} was 7:34 AM. If your friend who lives x miles due (east/west) called you when he saw the sun rose. When did you get the phone call this morning? What is the longitude where your friend lives?

City	where your friend lives	Time you received the call	Longitude of where your friend lives?
Austin, Texas 30°16'1" <i>N</i> 97°44'35" <i>W</i>	400 miles due west	8:04AM	105°25'26" <i>W</i>
Phoenix, Arizona 33°27'0" <i>N</i> 112°4'12" <i>W</i>	160 miles due west	7:47AM	115°21'43" <i>W</i>
Portland, Oregon 45°31'23" <i>N</i> 122°40'35" <i>W</i>	500 miles due East	6:35AM	108°5'9" <i>W</i>
Anchorage, Alaska 61°13'12" <i>N</i> 149°54'0" <i>W</i>	210 miles due west	8:25AM	162°52'38" <i>W</i>
Key West, Florida 24°33'36" <i>N</i> 81°46'48" <i>W</i>	150 miles due west	7:44AM	84°22'38" <i>W</i>
Honolulu, Hawaii 21°18'36" <i>N</i> 157°51'36" <i>W</i>	1500 miles due East	6:54AM	133°6'16" <i>W</i>
Sacramento, California 38°34'48" <i>N</i> 121°29'24" <i>W</i>	350 miles due East	7:01AM	113°17'10" <i>W</i>
Anaheim, California 33°49'48" <i>N</i> 117°54'36" <i>W</i>	250 miles due East	7:13AM	112°43'13" <i>W</i>