

Class Discussion

Unit 4 Topic 1 Part 2 Radian and Degree 2

DMS system is a sexagismo system interpret

$$1^{\circ} = 60'$$

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Ex 1: Convert 37.3382° to DMS

Ex 2: Assume Sunrise in San Jose Today is 7:34 AM. If your friend who lives 450 miles due east called you when he saw the sunrise, when did you get the call? What is the longitude of where your friend lives?

(Given the GPS coordinates for San Jose is $121^{\circ}53'11''W, 37^{\circ}20'18''N$ and the radius of the earth is 4000 miles)