

# Navigation

Last updated February 5, 2013

## Navigation – Homework

Name: \_\_\_\_\_

Complete the problems/conversions below given the following:

1 degree = 60 minutes (‘)

1 nmi = 1.15 miles = 1,852 meters

1 minute = 60 seconds (‘‘)

1 knot = 1 nmi / hour

1 degree of latitude  $\approx$  60 nautical miles

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1. Convert N  $06^{\circ}49'23''$  to degrees, decimal minutes \_\_\_\_\_
2. Convert S  $01.293^{\circ}$  to degrees, decimal minutes \_\_\_\_\_
3. Convert E  $24^{\circ}17'01''$  to decimal degrees \_\_\_\_\_
4. How many meters are in 268 nmi? \_\_\_\_\_
5. What is the approximate distance (nmi) between the following latitudes: N  $06^{\circ}49'43''$  and N  $06^{\circ}29'13''$ ? \_\_\_\_\_
6. How long would it take a vessel traveling 7.5 knots to travel 35 nmi? \_\_\_\_\_