Khenatus Holiday S Quatrones v/ magnit Vector: le drefor. 1/50

cruising althoc ascent Talecold Changi

instant spead.

3 Sooka

displanement. di stance d Bruce

Di rection

40t.sfm.

4/50

$$AD = \sqrt{3500^2 - 800^2}$$

$$= \sqrt{3407.3} \text{ Km}$$

$$= \sqrt{554}$$

Ac =
$$3000 \, \text{km}$$
.
BCZ= $5407.3^2 + 800^2$
B(1\text{km}) = $(1805, 929) \, \text{km}$.
= $897.7 \, \text{km}$.

A爱+ BC = 3000th 897.7 h = 3897.7 Km extra fine taken 3897-7-3500 700 Km/h. D. 5682h

Detour example

5 took ~ 1/2 hr

1 onge to yet from

A to B.

A Booking Rooking A Booking What 3 desplacement A to B?

method lot rep vectors.

3500 Km. SMO = Opposite
hypothere B = arbin (800) 5in (800) 0.2306 rad w.f.t tre 22 dir

0 3 also

method 2 - use 1 coordmates

 $\frac{2}{5} = \frac{5x}{5y}$

27- 2 2 (LAZ

 $Sx = 3407.3 \, \text{fm}$ $Sy = 800 \, \text{km}$.

= 3500 x cos (0-2306 rud) 407.3

BD = 3500 x sin(0.230b) - 860 cm