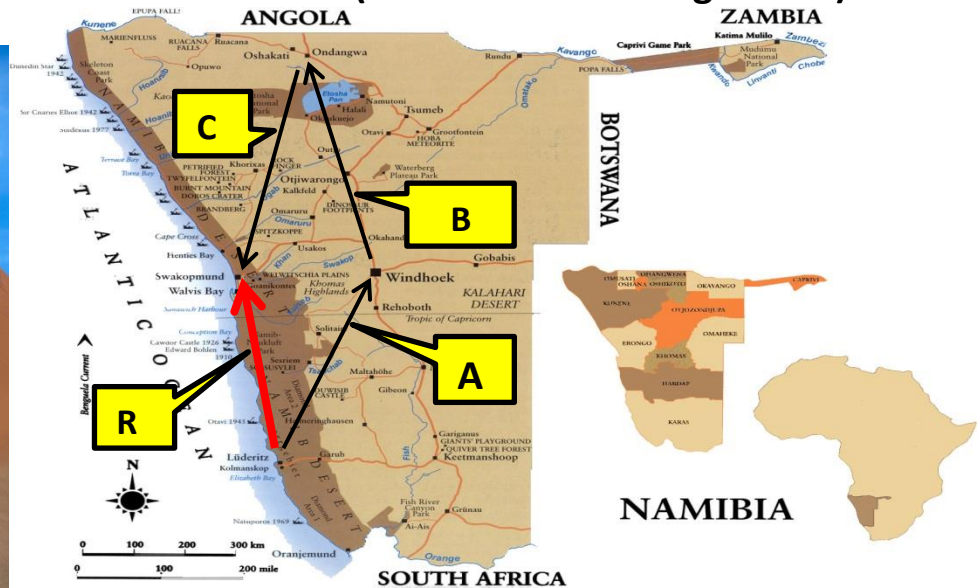


RESULTANT VECTORS

Unit 2 Dr. John P. Cise, Professor of Physics,

Austin Community College, 1212 Rio Grande St., Austin Tx. 78701 ipcise@austincc.edu & New York Times, Jan. 31,2016 by Sarah Khan . Thank you Sarah. Brings back memories of my visit there Xmas 2015 -2016. J cise

Seven-day journey by four women through a surreal desert landscape yields awe-inspiring sights, and hard-won lessons (know how to change a flat).



INTRODUCTION: **A:** Luderitz to Windhoek(capitol of Namibia) 300 miles @ 53° N of East., **B:** Windhoek to Ondangwa 340 miles @ 20° West of North , **C:** Ondangwa to Swakopmund 340 miles @ 20° West of South.

QUESTION: Find resultant displacement (R) from Luderitz to Swakopmund? Magnitude & direction are needed.

ANSWER: 245.7 miles @ 77.7° North of West. Note: If you like sandy beaches.....this country has lots of sand.

I woke to the gentle prodding of a flight attendant asking me to raise my window shade for the landing in Windhoek. I complied, and was immediately assailed: a bolt of white fury forced my eyelids to contract in submission, never to open again. Or, at least, not until it was time to deplane. A road trip across [Namibia](#) is an education in its own right, filled with trials, pop quizzes and even the occasional all-nighter spent stargazing. Thanks to my brief foray into sightlessness, my schooling had begun before I even touched down. **Lesson 1. The Namibian sun is every bit as potent as you've heard.** At midday, the formidable orb that lights the Namibian sky blazes so fiercely that the landscape resembles an overexposed photograph. Slipping on a pair of sunglasses has the effect of adding an Instagram filter, retouching the panorama with definition, warmth and saturation. **Namibia has been called the Land God Made in Anger — or, less poetically, the Gates of Hell —** but I wonder if the Land God Forgot About might be more accurate. On a road trip through more than 1,500 miles of its stark terrain, it seemed as though Namibia's blueprint had been carefully conceived but abandoned midthought: dried-out riverbeds left thirsting for water; rolling savannas **devoid of vegetation; towering mounds of sandy dunes** shifting aimlessly for millenniums, waiting to be sculpted into something permanent. And plenty of space, but few humans to fill it. Namibia is more than twice the size of Germany, but with just over two million people, it's one of the least densely populated countries on the planet. It's austere, charred, forsaken — and that ferocious sun certainly doesn't help its case. God blessed Namibia with plenty of light, but didn't bother bestowing many places to find respite from it.