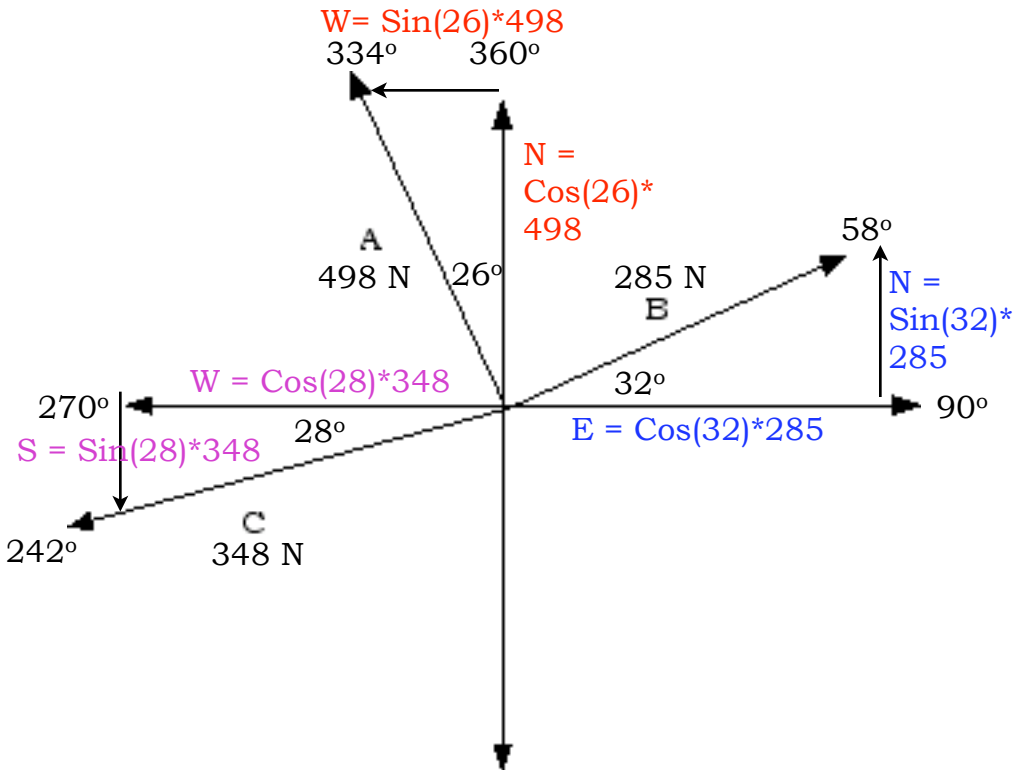


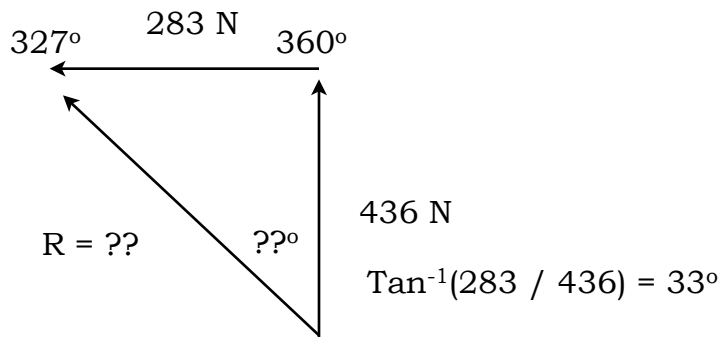
# Retest review

Name \_\_\_\_\_

In the following diagram, Force A is 498N @ 334°, Force B is 285N @ 58°, and Force C is 348N @ 242°. Find the resultant vector that will bring this system into equilibrium.



N	E
151	242
-163	-307
448	-218
436	-283
436 North	283 West



Use Pythag

Use  $\tan^{-1}$ , then  $360^\circ - 33^\circ = 327^\circ$

R = 520 N N @ 327°

E = 520 N N @ 147°

When all 4 forces are added together, it will equal: ZERO! N