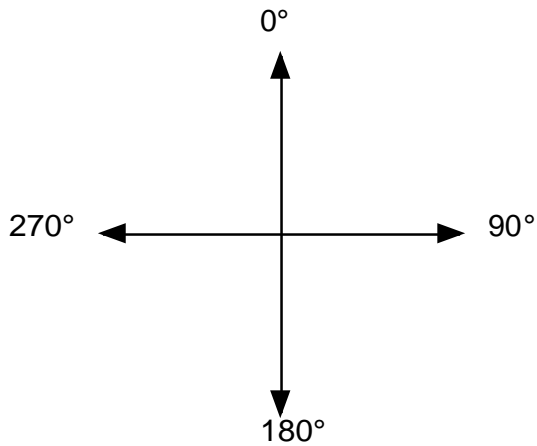


4. a) Draw the vector representing the second leg of Red Route One.



b) How long is the time duration for Leg #2?

c) How long was the original time duration at 18 knots before Captain Ramius ordered his navigator to recompute for 26 knots?

5. Compare the depths at the start of Leg 1 and the start of Leg 2. At what angle did the submarine climb during this section of Red Route One?

6. Using vector addition, determine the location of the *Red October* when its caterpillar drive fails. Draw a diagram.

7. Draw a map of Red Route One from “Thor’s Twins” to “Neptune Massive.” How far has the submarine travelled from its original location?