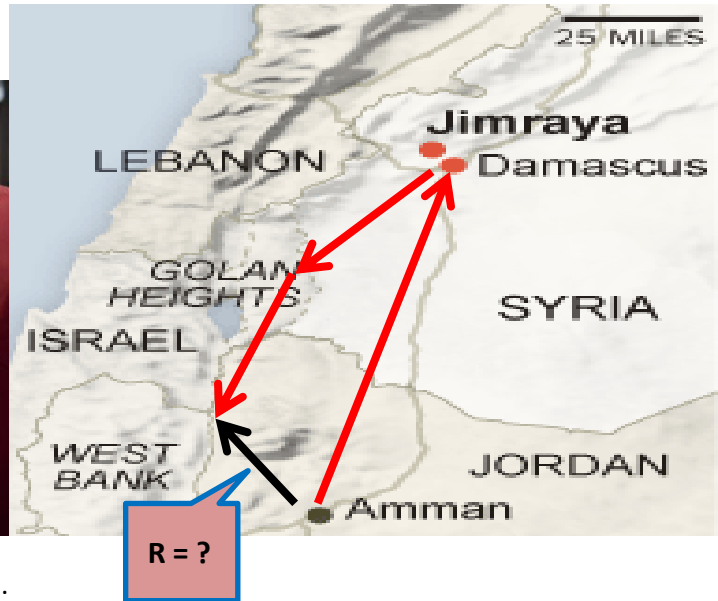


RESULTANTS

Unit 2 Dr. John P. Cise, Professor of Physics, Austin Community College,

1212 Rio Grande St., Austin Tx 78746 jpcise@austinctc.edu & NYTimes January 31,2013 by Anne Barnard & Jodi Rudoren

Syria Says It Has Right to Counterattack Israel



A post office worker showed an Israeli child how to wear a gas mask on Thursday at a mall in the Pisgat Ze'ev area of East Jerusalem.

BEIRUT, Lebanon — Tensions over the Israeli airstrike on Syrian territory appeared to increase on Thursday as [Syria](#) delivered a letter to the United Nations declaring its right to self-defense and [Israel's](#) action was condemned not only by longstanding enemies, including [Iran](#) and [Hezbollah](#), but also by [Russia](#).

Israeli officials remained silent [about their airstrike in Syrian territory](#) on Wednesday, a tactic that experts said was part of a longstanding strategy to give targeted countries face-saving opportunities to avoid worsening a conflict. But [Syria's](#) own confirmation of the attack may have undercut that effort. "From the moment they chose to say Israel did something, it means someone has to do something after that," said Giora Eiland, a former national security adviser in Israel and a longtime military leader. But other analysts said that Syria's overtaxed military was unlikely to retaliate and risk an Israeli onslaught that could tip the balance in its fight against the 22-month Syrian uprising. They also said Syria's ally Hezbollah was loath to provoke conflict with Israel as it sought to maintain domestic calm in neighboring Lebanon.

INTRODUCTION: Amman to Damascus is 150 miles @ 20° East of North,
Damascus to Golan heights is 50 miles @ 45° south of west,
Golan Heights to NE corner of West Bank is 50 miles @ 53° south of west.

QUESTION: Find resultant displacement(magnitude and direction) from Amman to NE corner of Golan Heights?

ANSWER: $R = \sim 67.2$ MILES @ $\sim 78^\circ$ North of west.