1. Which station model represents a location that is currently receiving some form of precipitation?

(1)  

(2)  

2. A weather station records a barometric pressure of 1013.2 millibars. Which diagram below would best represent this weather station on a weather map?

(1)  

(2)  

(3)  

(4)  

3. Which station model represents an atmospheric pressure of 1,009.2 millibars and a temperature of 75°F?

(1)  

(2)  

(3)  

(4)  

4. The weather forecast for the next 6 hours at this station most likely would be

(1) overcast, hot, unlimited visibility
(2) overcast, hot, poor visibility
(3) overcast, cold, probable snow
(4) sunny, cold, probable rain

5. The barometric pressure is

(1) 1013.0 mb
(2) 913.0 mb
(3) 130.0 mb
(4) 10.28 mb

6. The station model below provides weather data for Old Forge, New York.

Which set of factors best describes the conditions at Old Forge?

(1) southwest wind at 25 knots, dewpoint 26°F, air pressure 997.2 mb
(2) southwest wind at 25 knots, dewpoint 27°F, air pressure 1,097.2 mb
(3) northeast wind at 25 knots, dewpoint 26°F, air pressure 997.2 mb
(4) northeast wind at 25 knots, dewpoint 27°F, air pressure 1,097.2 mb
7. Which weather station model represents the location with the greatest probability of precipitation?

8. Which weather station model represents a location where a thunderstorm is occurring?

9. Which weather station model indicates the highest relative humidity?

10. Which station model correctly shows the weather conditions of a thunderstorm with heavy rain?

11. Base your answer to the following question on the weather map below which shows part of the United States. Letters A through E represent weather stations.

Which weather station model best represents weather conditions at station B?