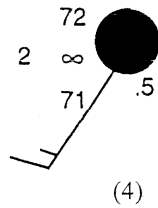
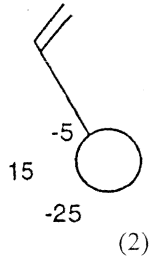
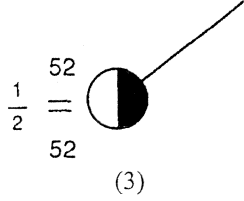
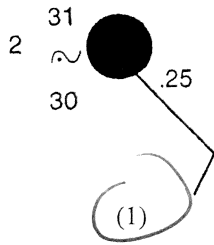
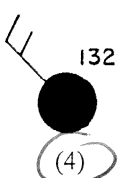
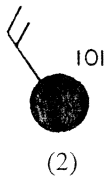
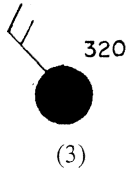
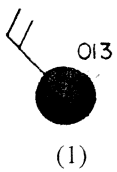


Key

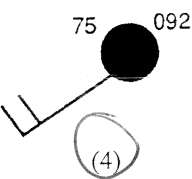
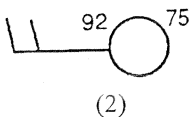
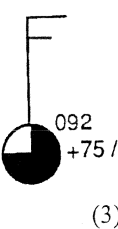
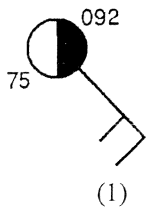
1. Which station model represents a location that is currently receiving some form of precipitation?



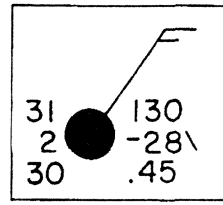
2. A weather station records a barometric pressure of 1013.2 millibars. Which diagram below would best represent this weather station on a weather map?



3. Which station model represents an atmospheric pressure of 1009.2 millibars and a temperature of 75°F?



Base your answers to questions 4 and 5 on the diagram below of a weather station model.



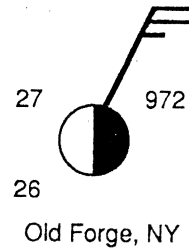
4. The weather forecast for the next 6 hours at this station most likely would be

- (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.

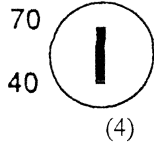
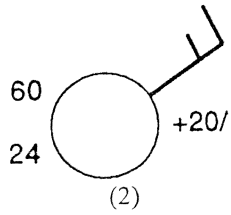
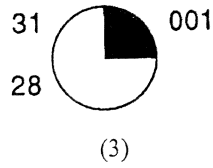
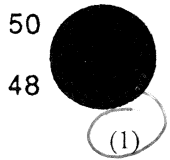


Which set of factors best describes the conditions at Old Forge?

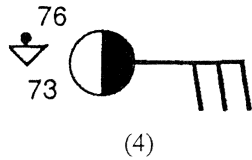
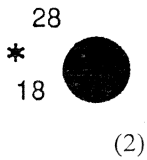
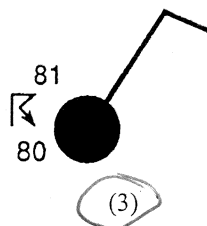
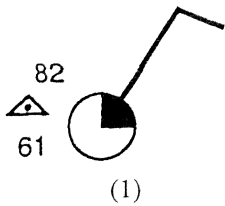
- (1) southwest wind at 25 knots, dewpoint 26°F, air pressure 997.2 mb
- (2) southwest wind at 25 knots, dewpoint 27°F, air pressure 1,097.2 mb
- (3) northeast wind at 25 knots, dewpoint 26°F, air pressure 997.2 mb
- (4) northeast wind at 25 knots, dewpoint 27°F, air pressure 1,097.2 mb

KEY

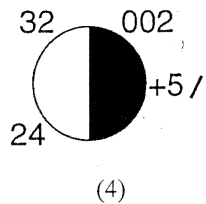
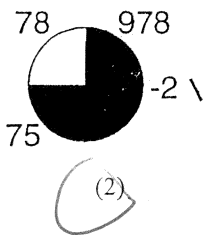
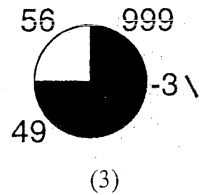
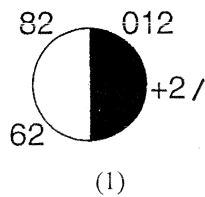
7. Which weather station model represents the location with the greatest probability of precipitation?



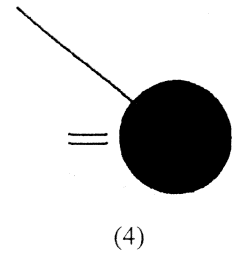
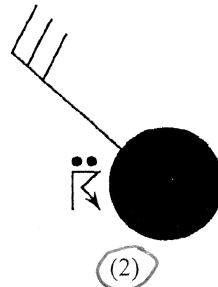
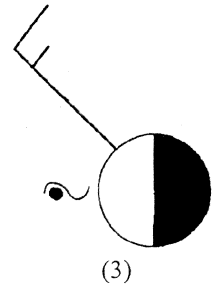
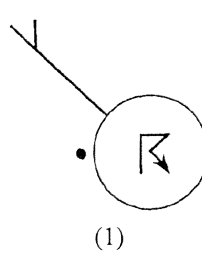
8. Which weather station model represents a location where a thunderstorm is occurring?



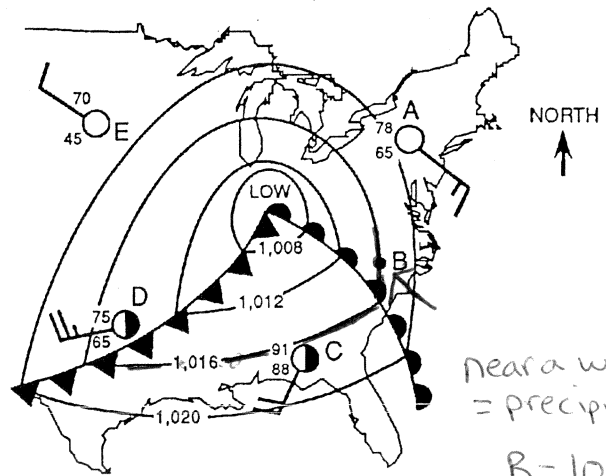
9. Which weather station model indicates the highest relative humidity?



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

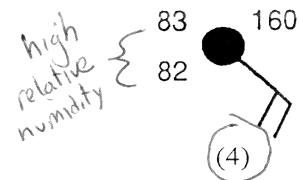
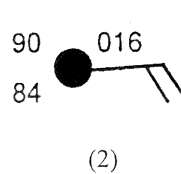
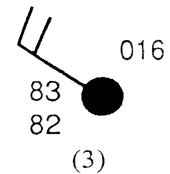
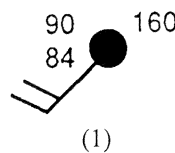


11. Base your answer to the following question on the weather map below which shows part of the United States. Letters A through E represent weather stations.



near a warmfront = precipitation.
B = 1016.0mb

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



high relative humidity