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① Which latitude and longitude coordinates represent a location on the continent of Australia?
 (1) ~~20° N, 135° E~~ (2) 20° S, 135° E
 (3) ~~20° N, 135° W~~ (4) 20° S, 135° W

② An observer in New York State measures the altitude of Polaris as 44°. According to the *Earth Science Reference Tables*, the location of the observer is nearest to
 (1) Watertown (2) Elmira (3) Buffalo (4) Kingston

③ Base your answer to the following question on the *Earth Science Reference Tables*.

What is the location of Binghamton, New York?

(1) 42° 06' N. lat., 75° 55' W. long.
 (2) 42° 06' N. lat., 76° 05' W. long.
 (3) ~~42° 54' N. lat., 76° 05' W. long.~~
 (4) ~~42° 54' N. lat., 75° 55' W. long.~~

④ The latitude of a point in the Northern Hemisphere may be determined by measuring the
 (1) apparent diameter of Polaris
 (2) altitude of Polaris
 (3) distance to the Sun
 (4) apparent diameter of the Sun

⑤ The diagram below represents a portion of a map of the Earth's grid system. What is the approximate latitude and longitude of point A?