

Izidor Hafner

Maps

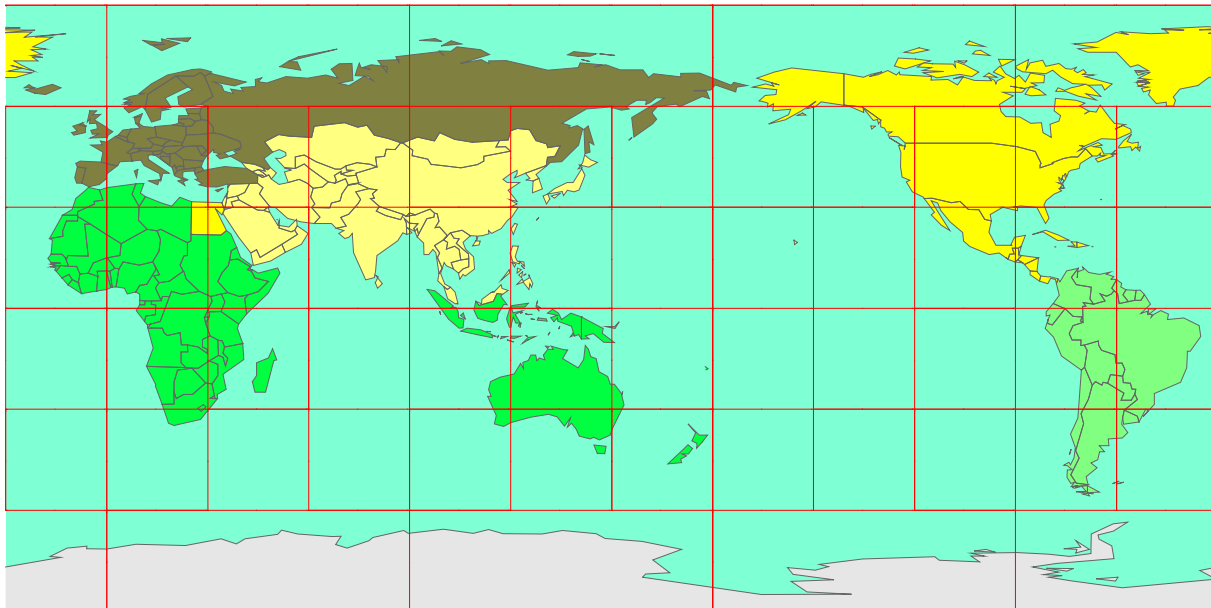
Latitude and Longitude

Problems

1.

Mark the following 8 points in the map:

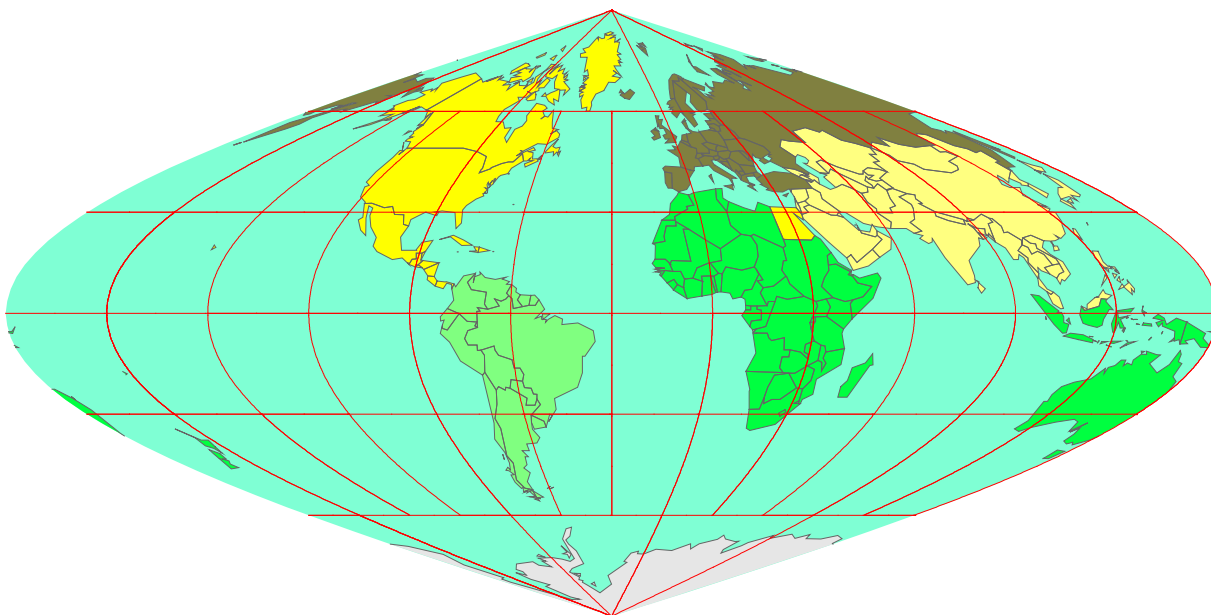
1. {19 S, 48 E} 2. {3 S, 29 E} 3. {8 N, 13 W} 4. {25 S, 26 E}
5. {0 S, 9 E} 6. {9 S, 13 E} 7. {19 N, 99 W} 8. {17 N, 96 E}



2.

Mark the following 8 points in the map:

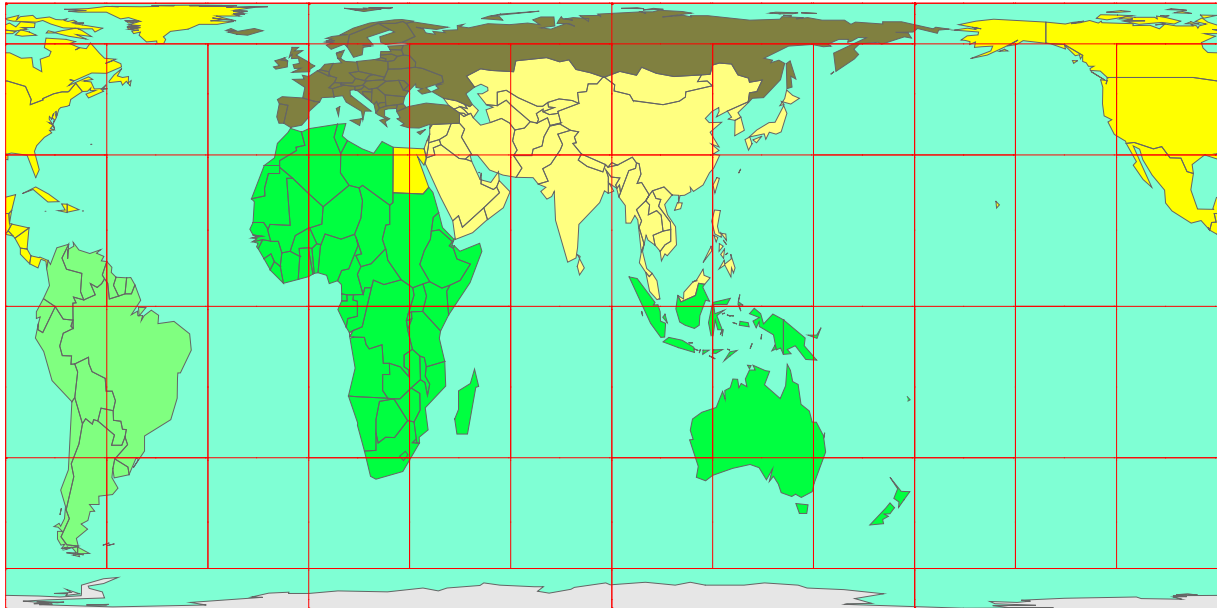
1. {36 N, 5 W} 2. {43 N, 77 E} 3. {25 S, 58 W} 4. {51 N, 4 E}
5. {64 N, 52 W} 6. {19 N, 99 W} 7. {54 N, 28 E} 8. {9 S, 147 E}



3.

Mark the following 8 points in the map:

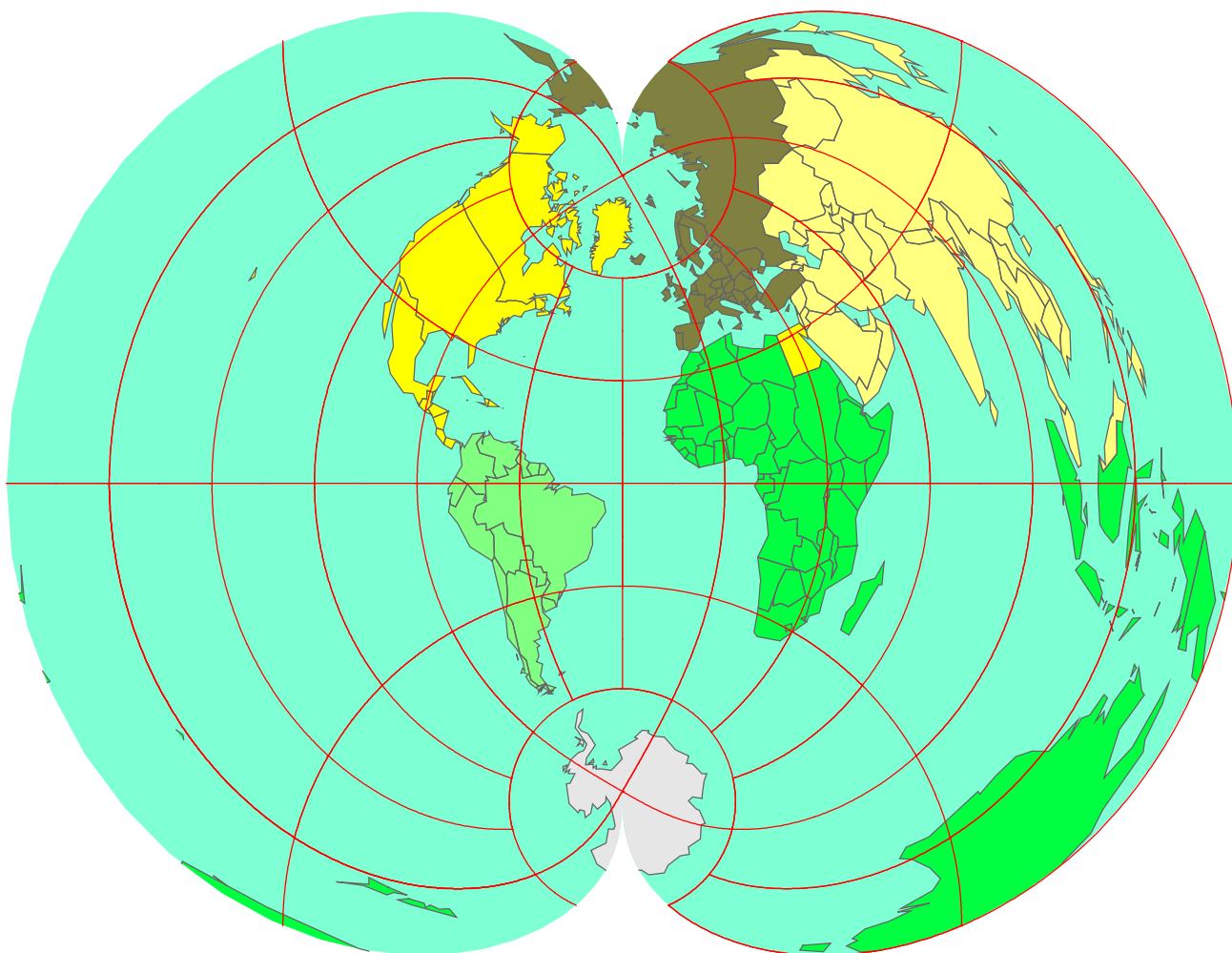
1. {36 N, 5 W} 2. {53 N, 6 W} 3. {15 N, 121 E} 4. {17 N, 25 W}
5. {33 S, 71 W} 6. {38 N, 127 E} 7. {18 N, 63 W} 8. {4 N, 12 E}



4.

Mark the following 8 points in the map:

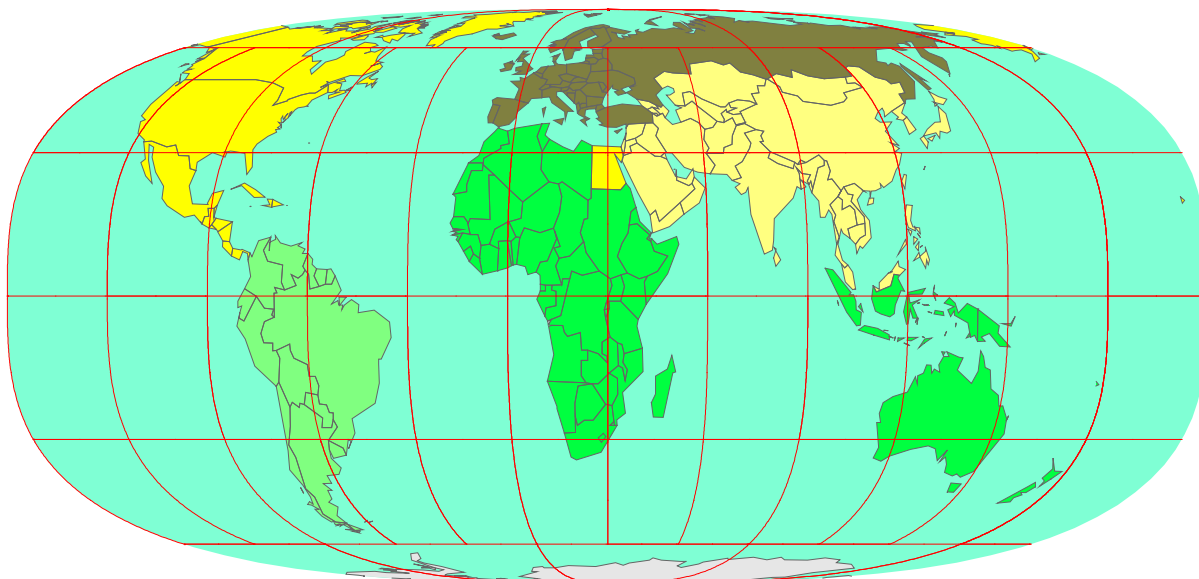
1. {32 N, 36 E} 2. {25 N, 52 E} 3. {34 N, 69 E} 4. {13 N, 61 W}
5. {0 S, 9 E} 6. {15 S, 28 E} 7. {6 N, 55 W} 8. {64 N, 22 W}



5.

Mark the following 8 points in the map:

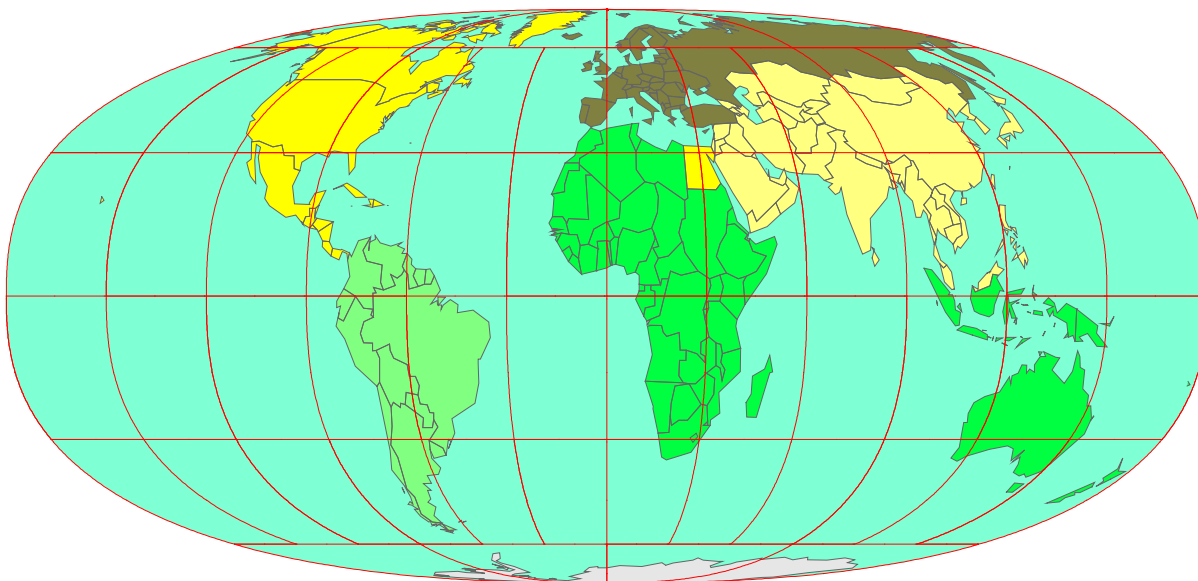
1. {43 N, 77 E}
2. {40 N, 33 E}
3. {53 N, 13 E}
4. {25 N, 67 E}
5. {26 S, 33 E}
6. {42 N, 12 E}
7. {44 N, 18 E}
8. {18 S, 178 E}



6.

Mark the following 8 points in the map:

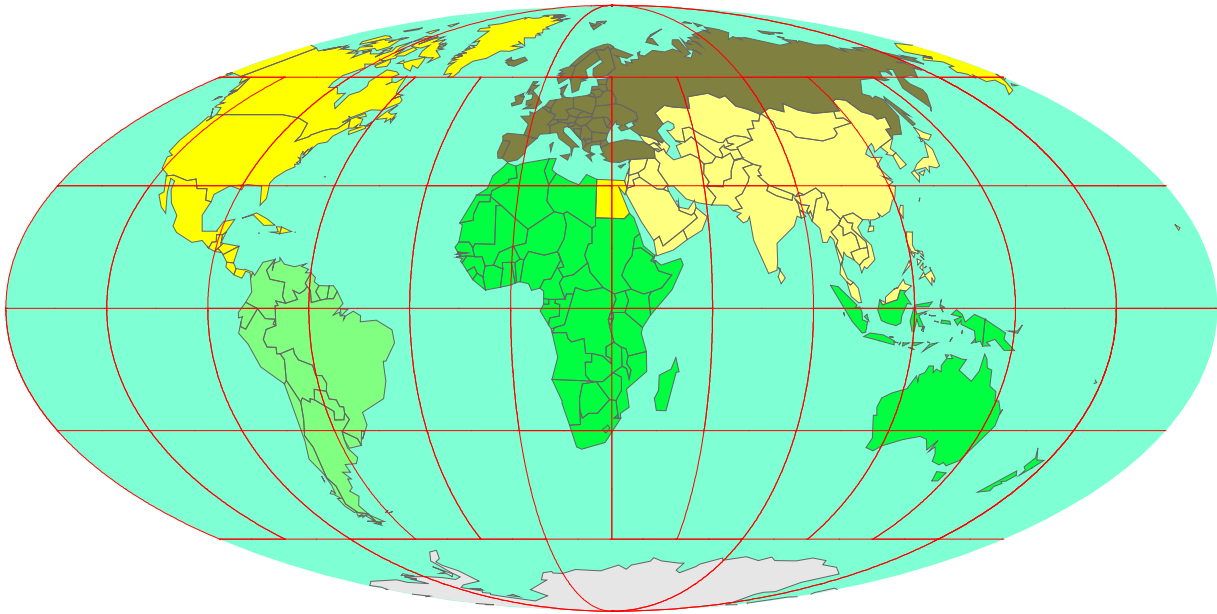
1. {43 N, 77 E}
2. {14 S, 172 W}
3. {56 N, 13 E}
4. {9 S, 160 E}
5. {15 S, 28 E}
6. {21 S, 174 W}
7. {17 N, 62 W}
8. {17 N, 96 E}



7.

Mark the following 8 points in the map:

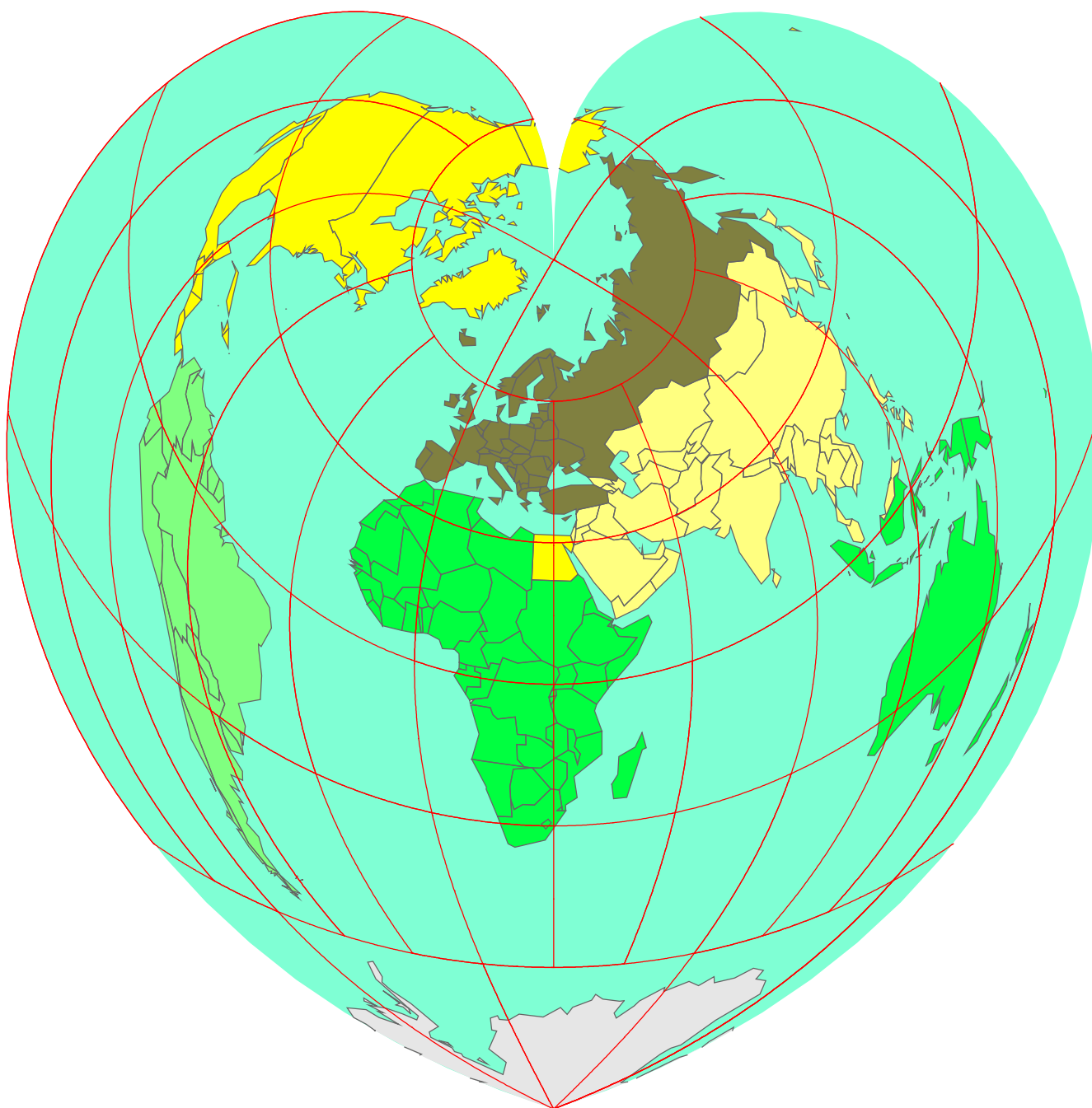
1. {34 S, 18 E} 2. {27 N, 13 W} 3. {15 N, 90 W} 4. {28 N, 85 E}
5. {21 S, 174 W} 6. {12 N, 2 W} 7. {19 N, 72 W} 8. {34 N, 7 W}



8.

Mark the following 8 points in the map:

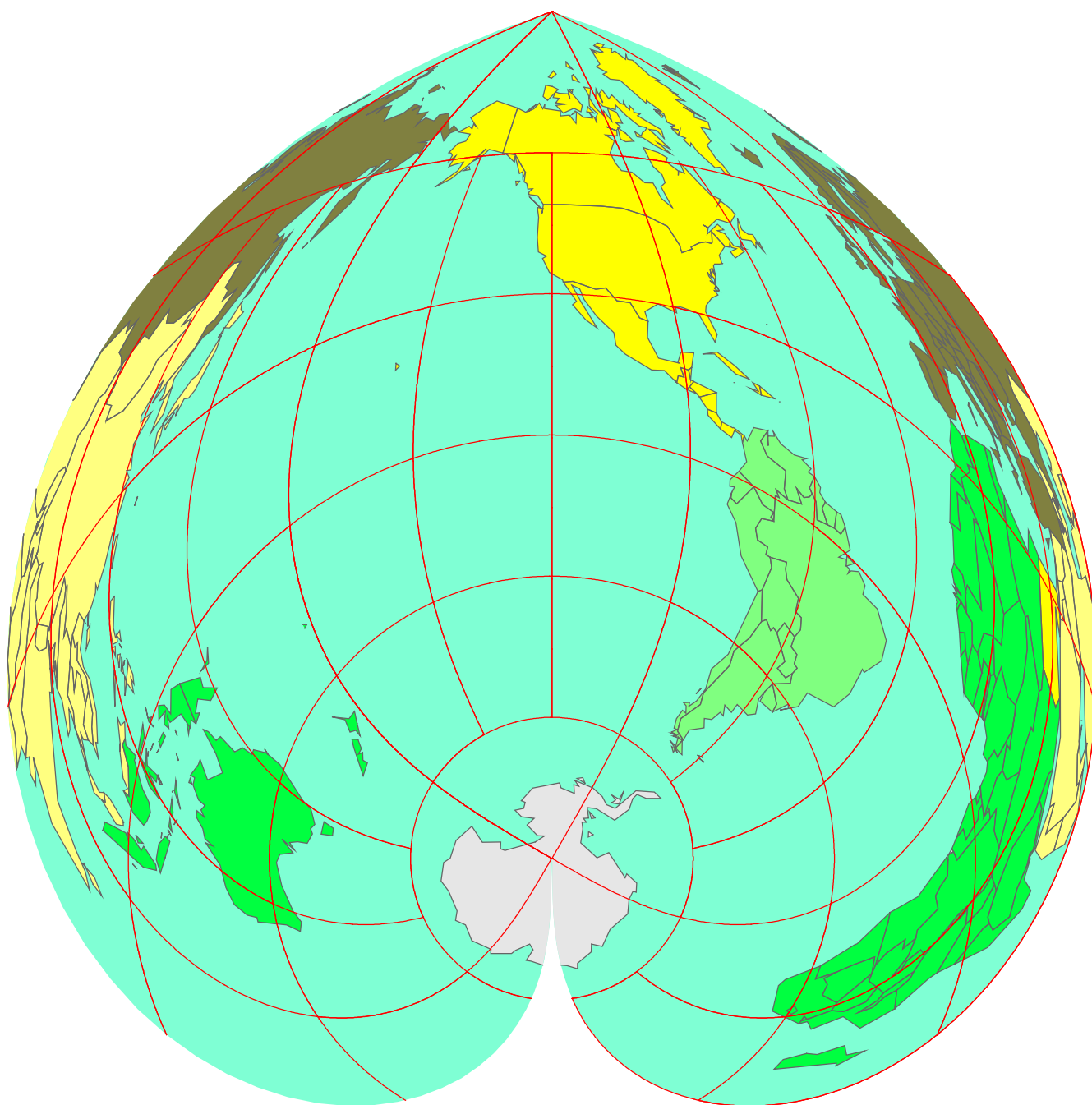
1. {13 N, 60 W} 2. {8 S, 179 E} 3. {28 N, 85 E} 4. {5 N, 73 E}
5. {21 S, 174 W} 6. {39 N, 29 W} 7. {44 N, 12 E} 8. {25 N, 122 E}



9.

Mark the following 8 points in the map:

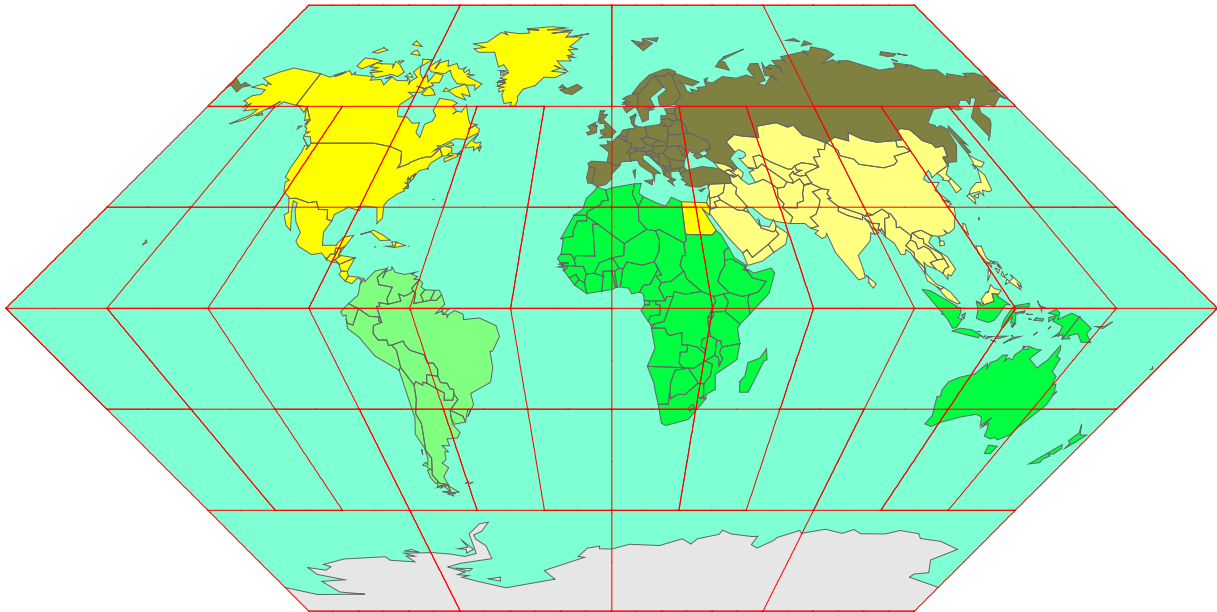
1. {25 S, 58 W} 2. {17 N, 88 W} 3. {64 N, 52 W} 4. {7 N, 134 E}
5. {39 N, 9 W} 6. {17 N, 25 W} 7. {34 N, 7 W} 8. {1 N, 104 E}



10.

Mark the following 8 points in the map:

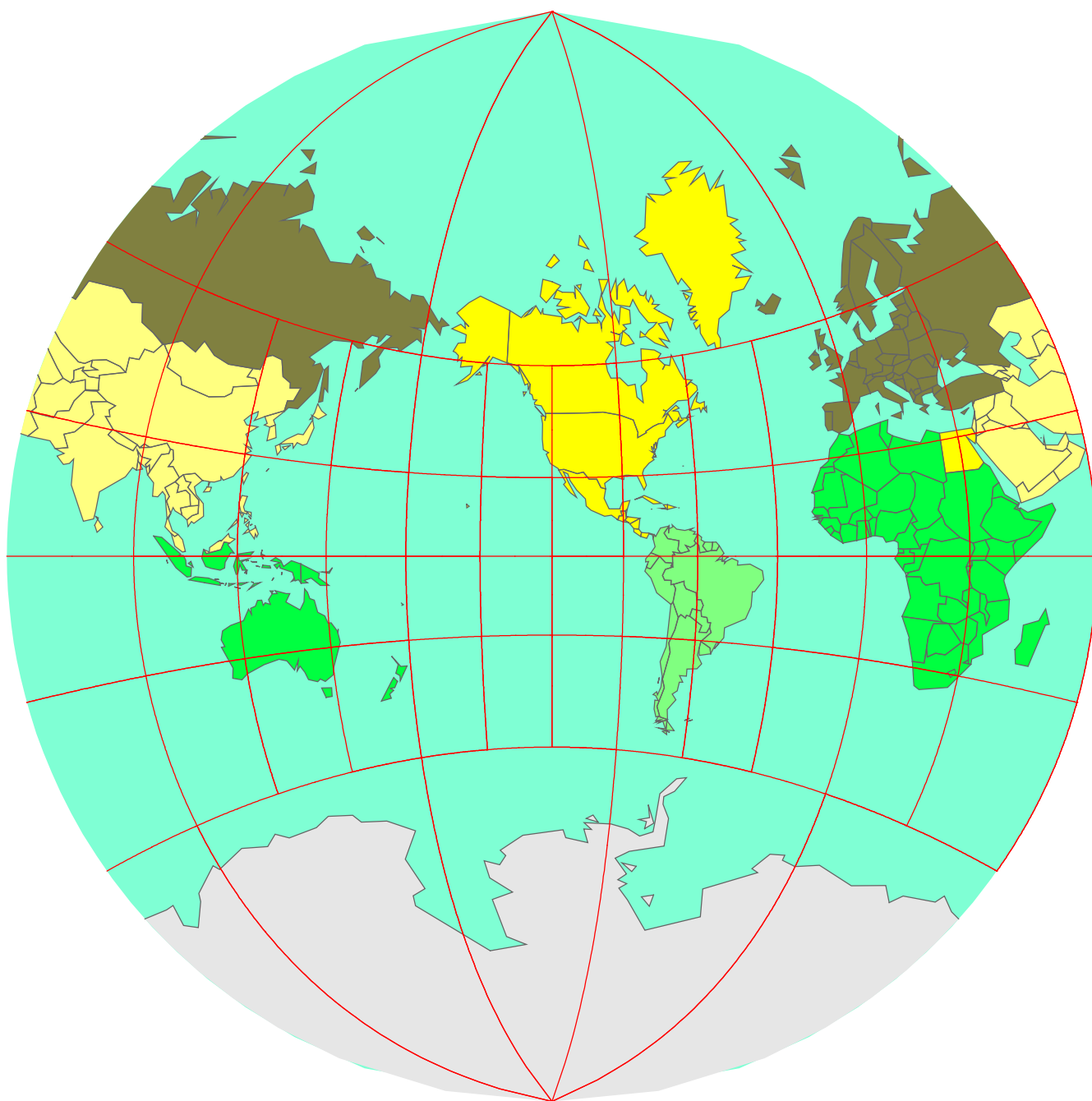
1. {22 N, 114 E} 2. {37 N, 3 E} 3. {43 N, 2 E} 4. {4 N, 19 E}
5. {18 S, 31 E} 6. {60 N, 25 E} 7. {13 N, 61 W} 8. {26 S, 31 E}



11.

Mark the following 8 points in the map:

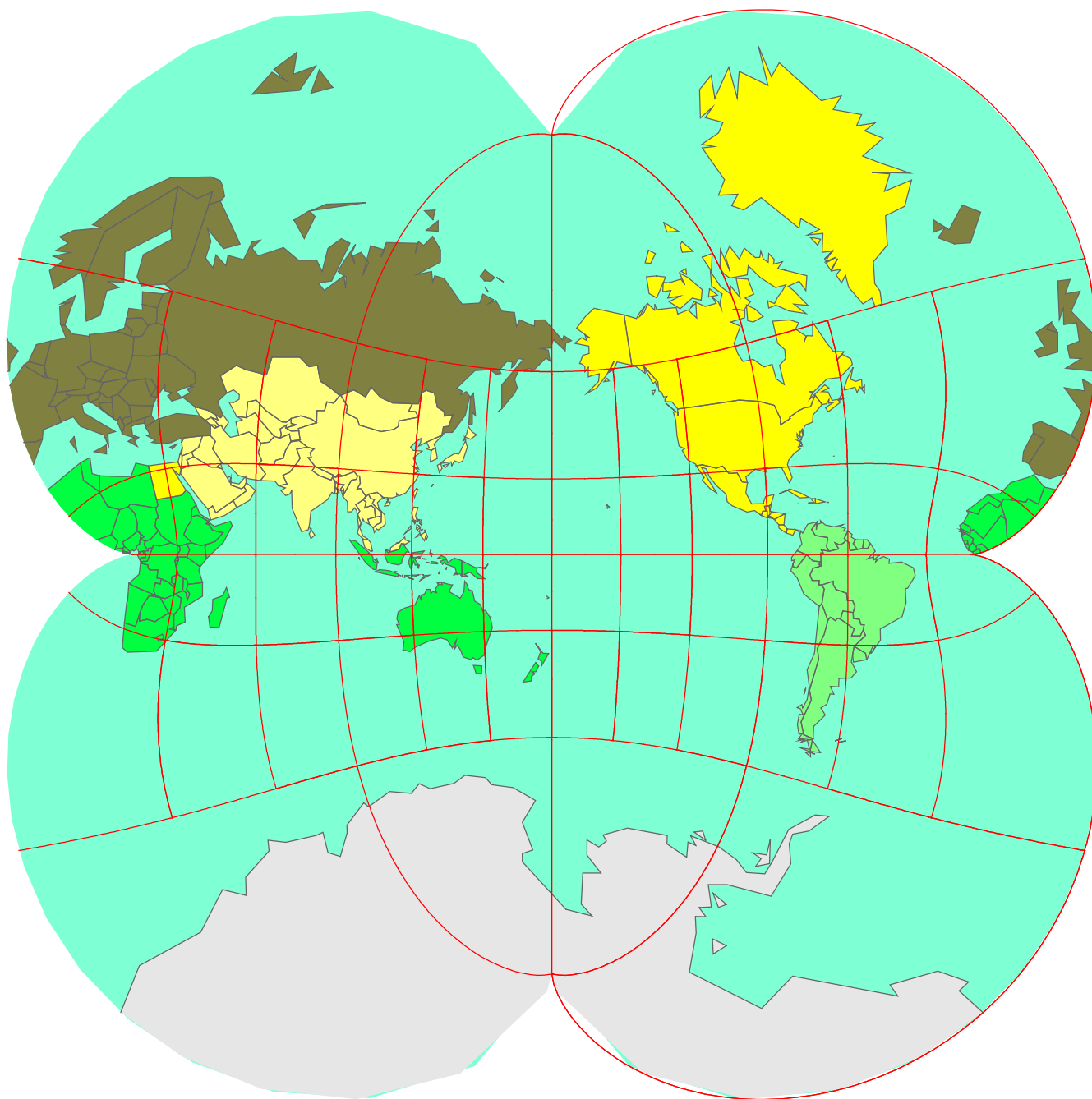
1. {22 N, 114 E}
2. {38 N, 58 E}
3. {33 N, 44 E}
4. {53 N, 13 E}
5. {25 S, 26 E}
6. {14 N, 34 E}
7. {40 N, 116 E}
8. {64 N, 22 W}



12.

Mark the following 8 points in the map:

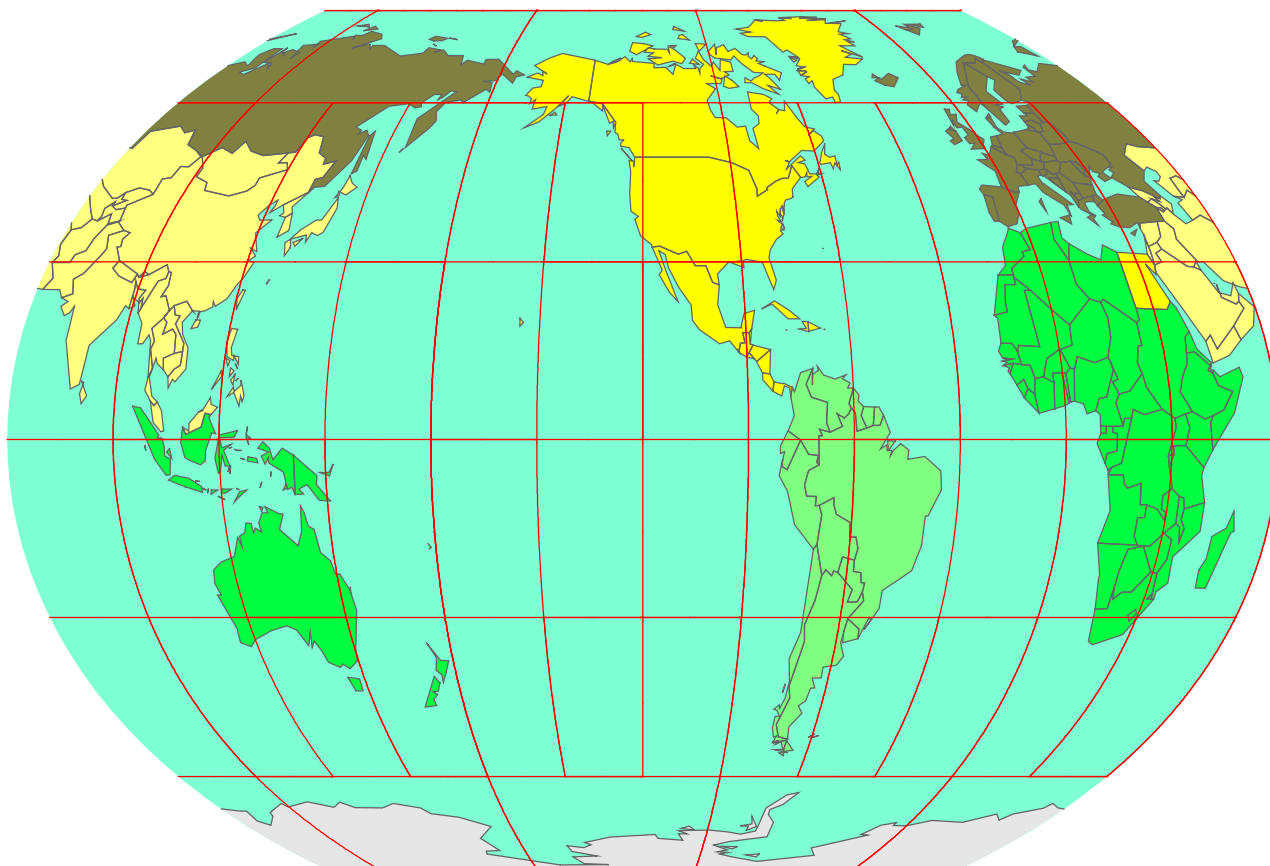
1. {44 N, 7 E}
2. {24 N, 90 E}
3. {29 N, 48 E}
4. {16 S, 68 W}
5. {26 N, 51 E}
6. {17 N, 25 W}
7. {24 S, 47 W}
8. {21 S, 56 E}



13.

Mark the following 8 points in the map:

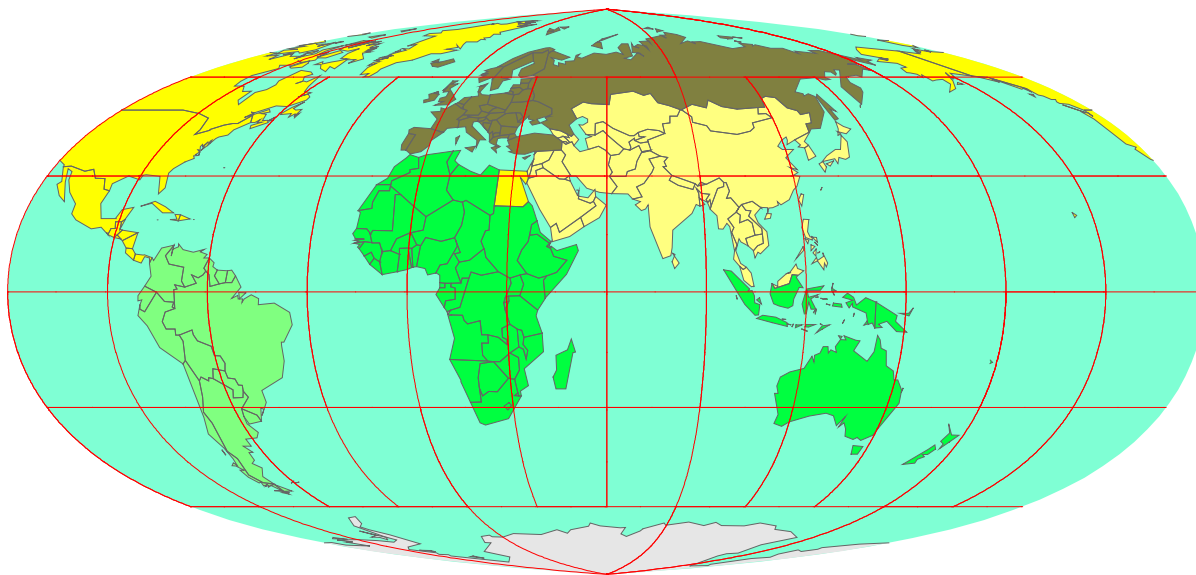
1. {17 N, 63 W} 2. {5 N, 52 W} 3. {8 N, 13 W} 4. {25 N, 67 E}
5. {2 S, 30 E} 6. {14 N, 34 E} 7. {60 N, 11 E} 8. {28 N, 90 E}



14.

Mark the following 8 points in the map:

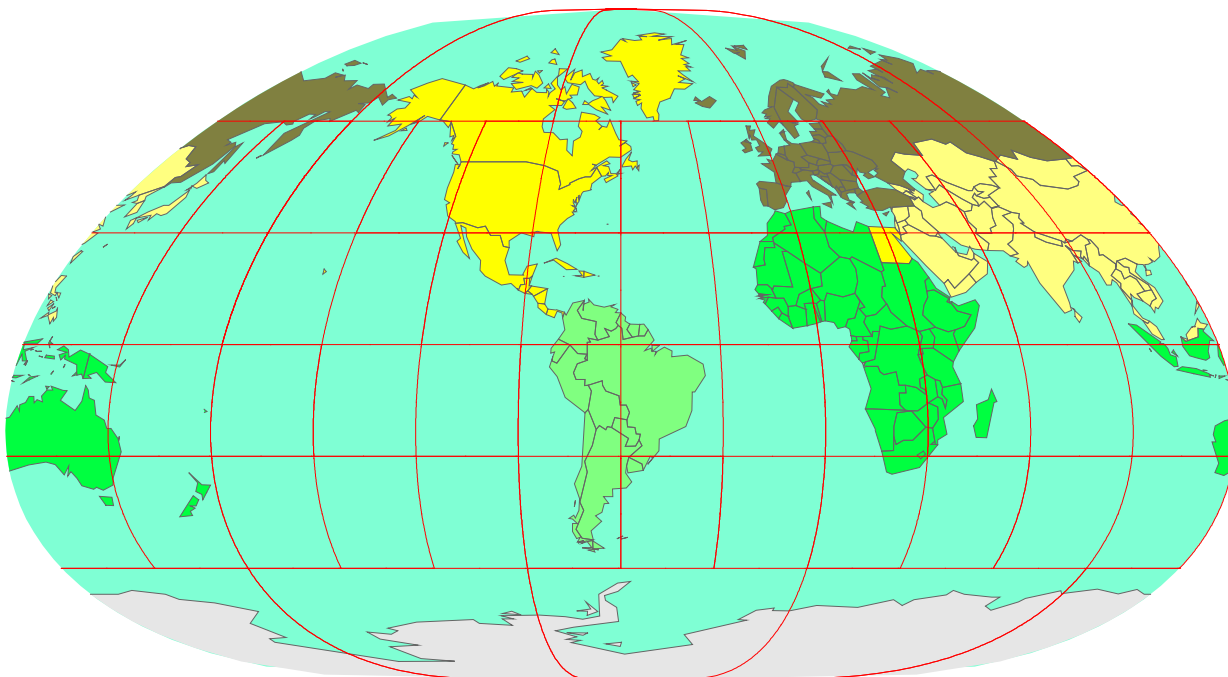
1. {13 N, 60 W} 2. {52 N, 3 W} 3. {56 N, 13 E} 4. {28 N, 85 E}
5. {6 N, 1 E} 6. {12 N, 105 E} 7. {60 N, 30 E} 8. {39 N, 117 E}



15.

Mark the following 8 points in the map:

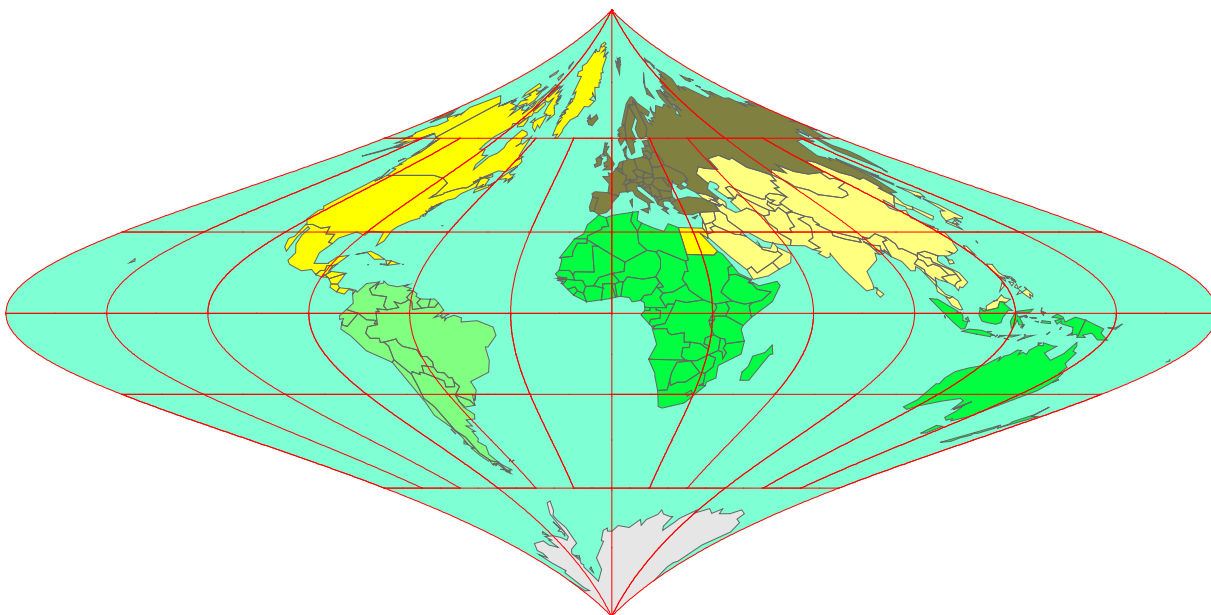
1. {32 N, 36 E} 2. {35 S, 149 E} 3. {56 N, 3 W} 4. {8 N, 13 W}
5. {25 S, 26 E} 6. {50 N, 6 E} 7. {6 N, 55 W} 8. {32 S, 116 E}



16.

Mark the following 8 points in the map:

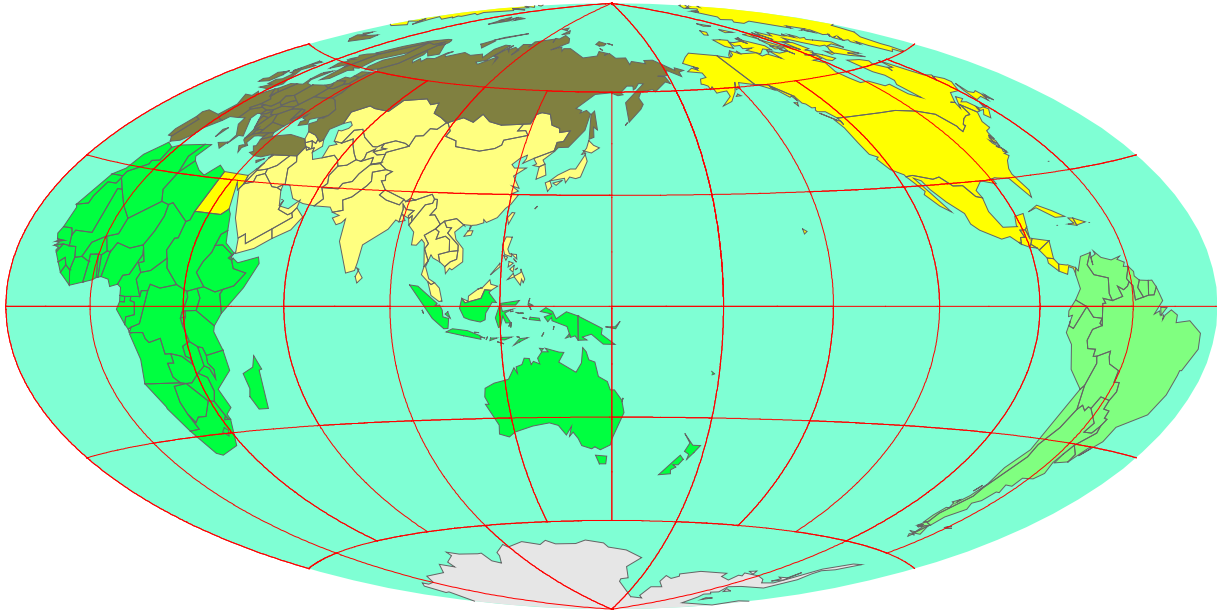
1. {43 N, 2 E} 2. {41 N, 29 E} 3. {19 N, 99 W} 4. {12 S, 44 W}
5. {49 N, 2 E} 6. {12 N, 105 E} 7. {12 N, 62 W} 8. {5 S, 56 E}



17.

Mark the following 8 points in the map:

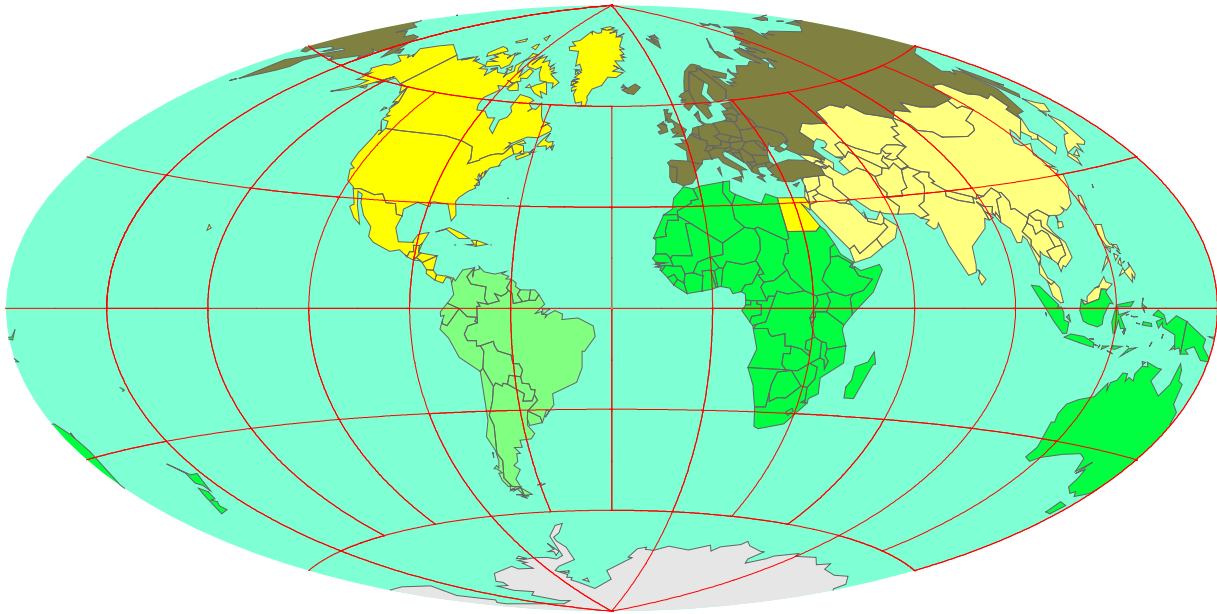
1. {38 N, 24 E} 2. {13 N, 17 W} 3. {0 S, 32 E} 4. {2 S, 30 E}
5. {12 N, 105 E} 6. {19 N, 72 W} 7. {48 N, 107 E} 8. {12 N, 69 W}



18.

Mark the following 8 points in the map:

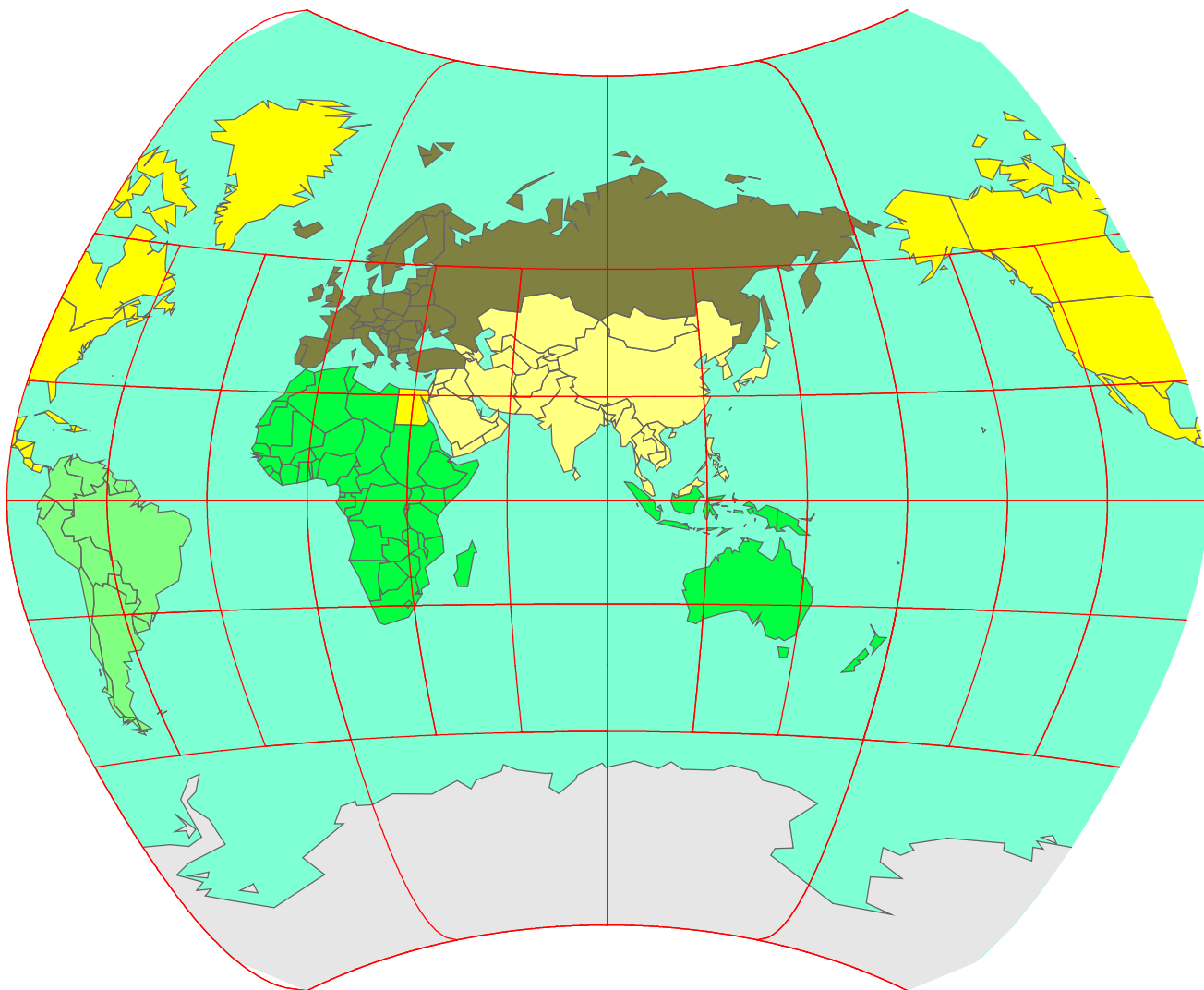
1. {51 N, 7 E}
2. {64 N, 52 W}
3. {15 N, 90 W}
4. {29 N, 48 E}
5. {16 S, 68 W}
6. {25 N, 47 E}
7. {18 S, 178 E}
8. {28 N, 90 E}



19.

Mark the following 8 points in the map:

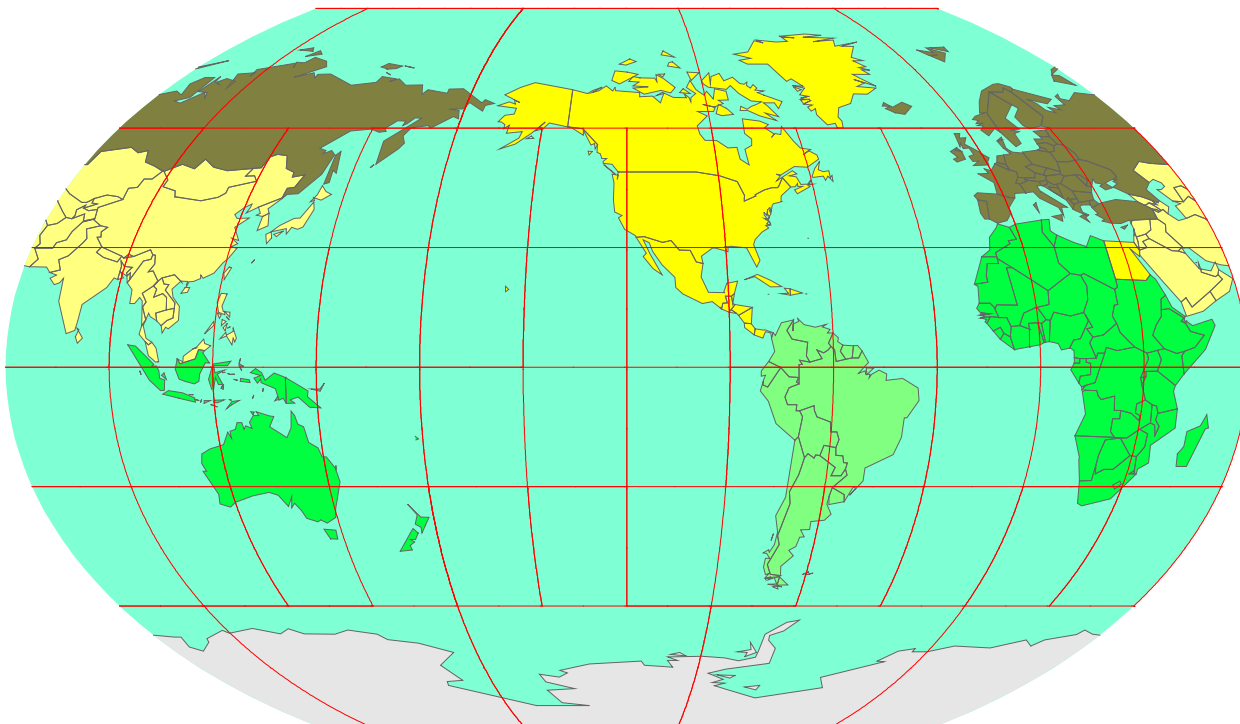
1. {40 N, 50 E}
2. {14 N, 61 W}
3. {50 N, 30 E}
4. {0 S, 9 E}
5. {23 N, 59 E}
6. {22 S, 166 E}
7. {9 S, 172 W}
8. {9 S, 147 E}



20.

Mark the following 8 points in the map:

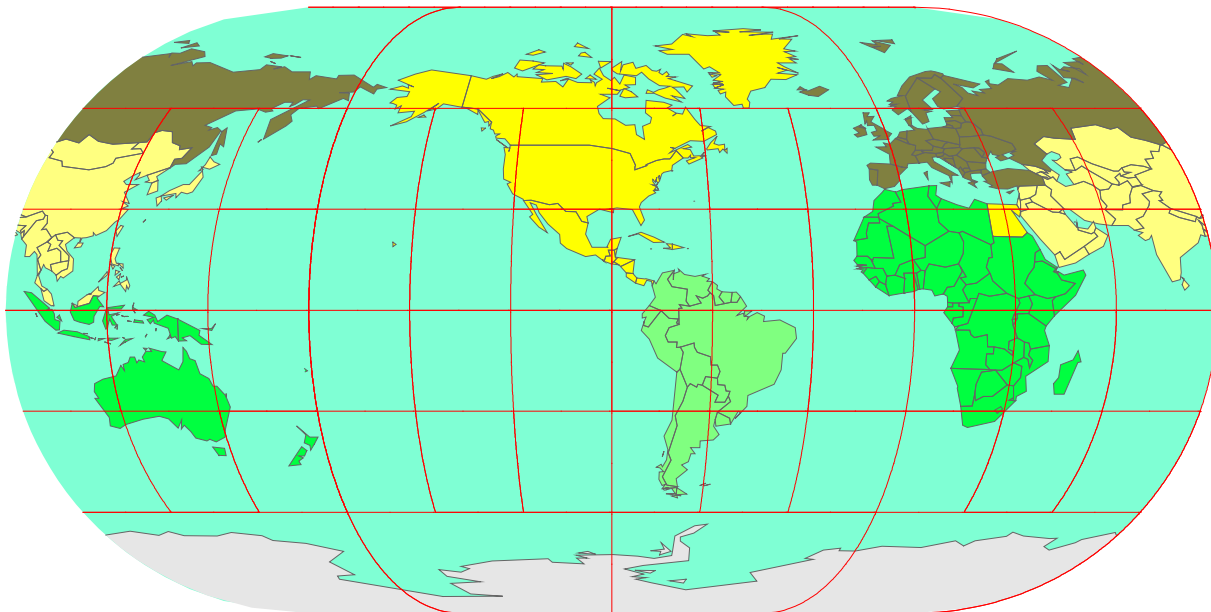
1. {43 N, 2 E} 2. {45 N, 20 E} 3. {48 N, 19 E} 4. {15 N, 17 W}
5. {32 N, 35 E} 6. {56 N, 38 E} 7. {23 N, 59 E} 8. {1 S, 37 E}



21.

Mark the following 8 points in the map:

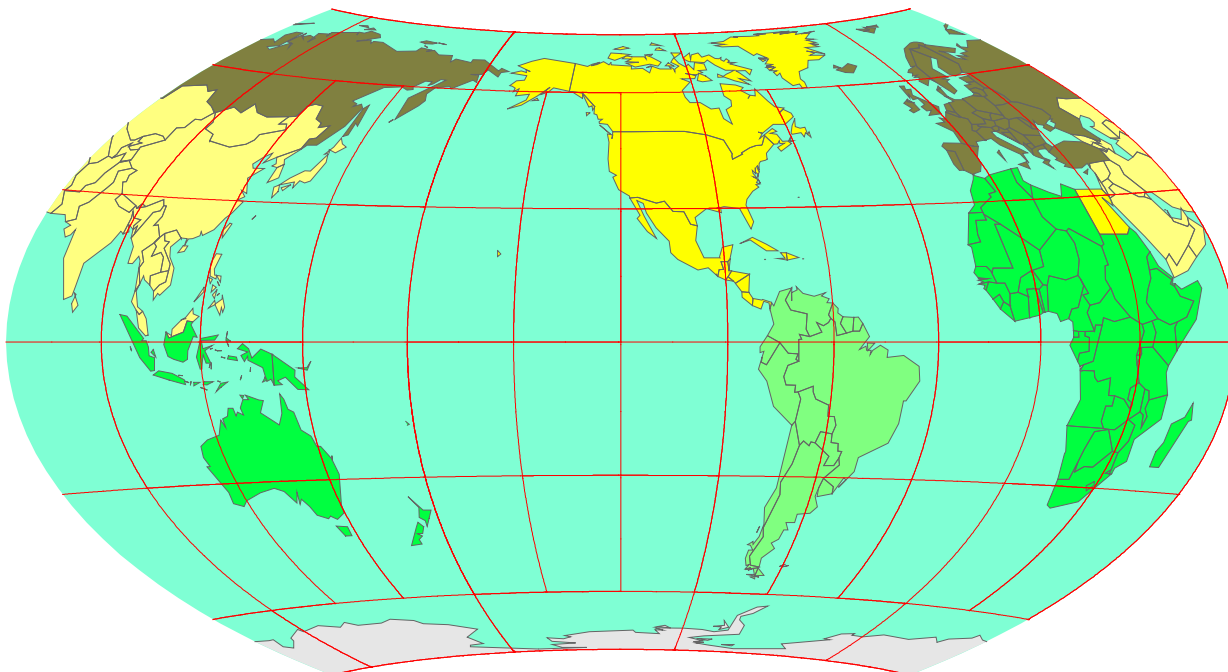
1. {22 N, 114 E}
2. {38 N, 58 E}
3. {48 N, 19 E}
4. {1 S, 166 E}
5. {15 N, 61 W}
6. {16 S, 68 W}
7. {28 N, 15 W}
8. {39 N, 9 W}



22.

Mark the following 8 points in the map:

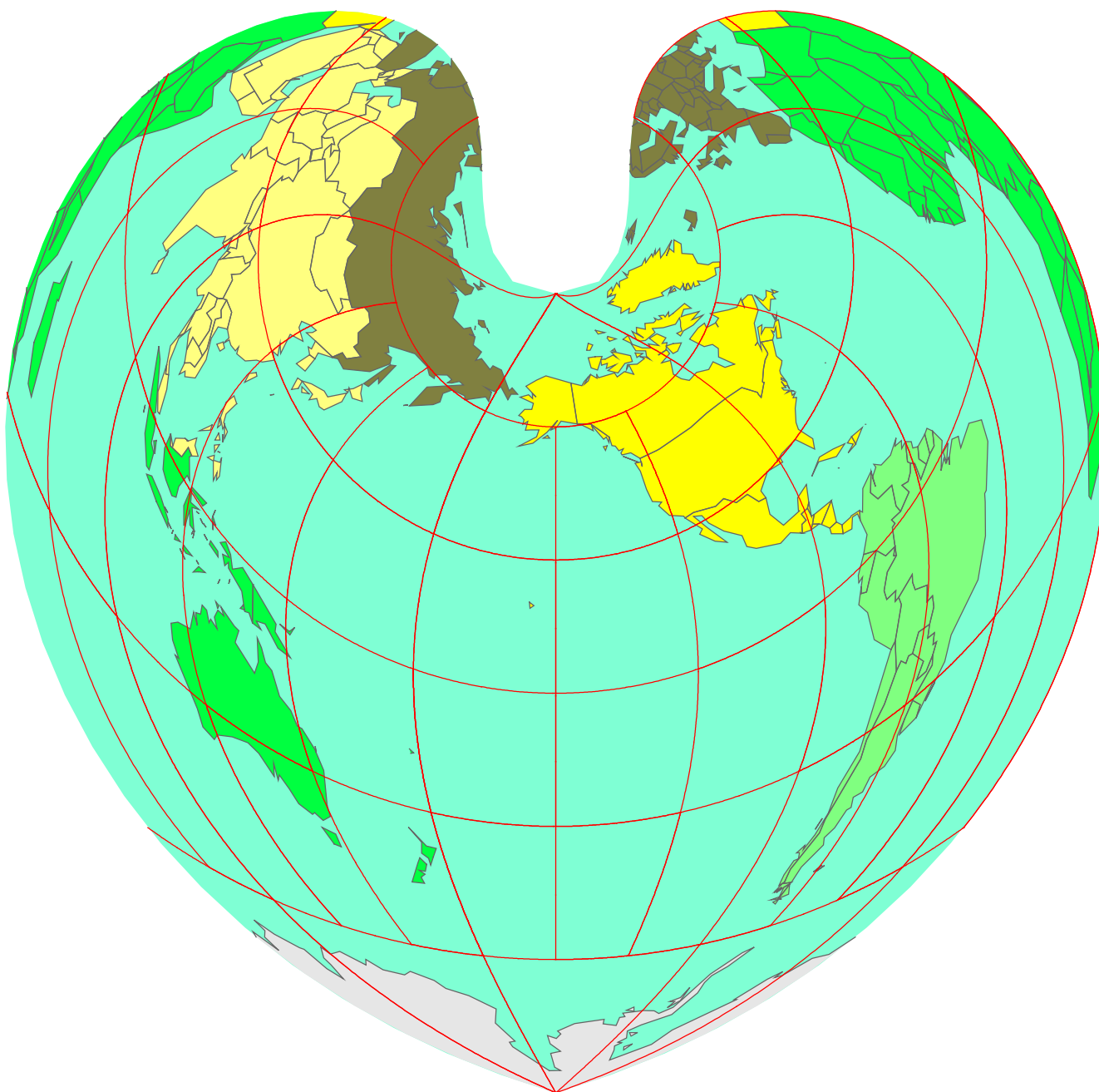
1. {17 N, 63 W}
2. {13 N, 60 W}
3. {23 N, 88 E}
4. {5 N, 52 W}
5. {28 N, 85 E}
6. {12 N, 15 E}
7. {52 S, 60 W}
8. {12 N, 69 W}



23.

Mark the following 8 points in the map:

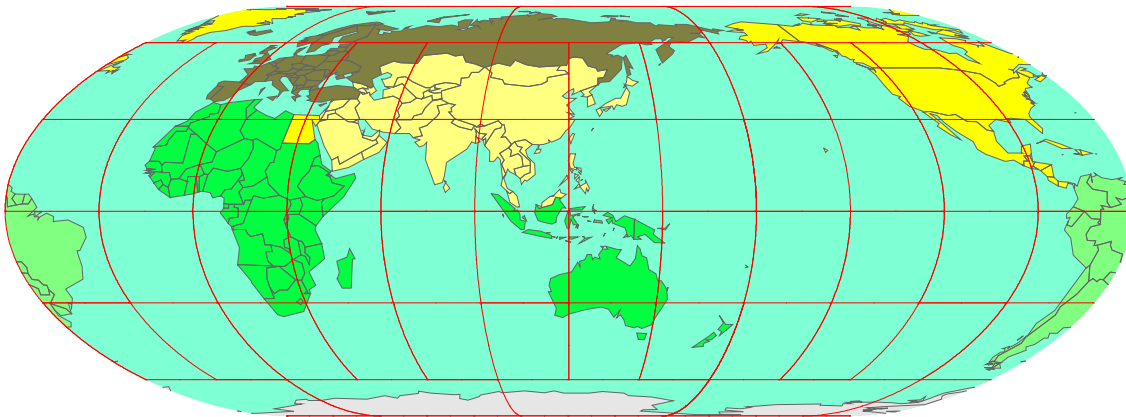
1. {42 N, 12 E} 2. {24 N, 54 E} 3. {47 N, 8 E} 4. {25 N, 67 E}
5. {40 N, 4 W} 6. {12 N, 70 W} 7. {11 N, 62 W} 8. {44 N, 12 E}



24.

Mark the following 8 points in the map:

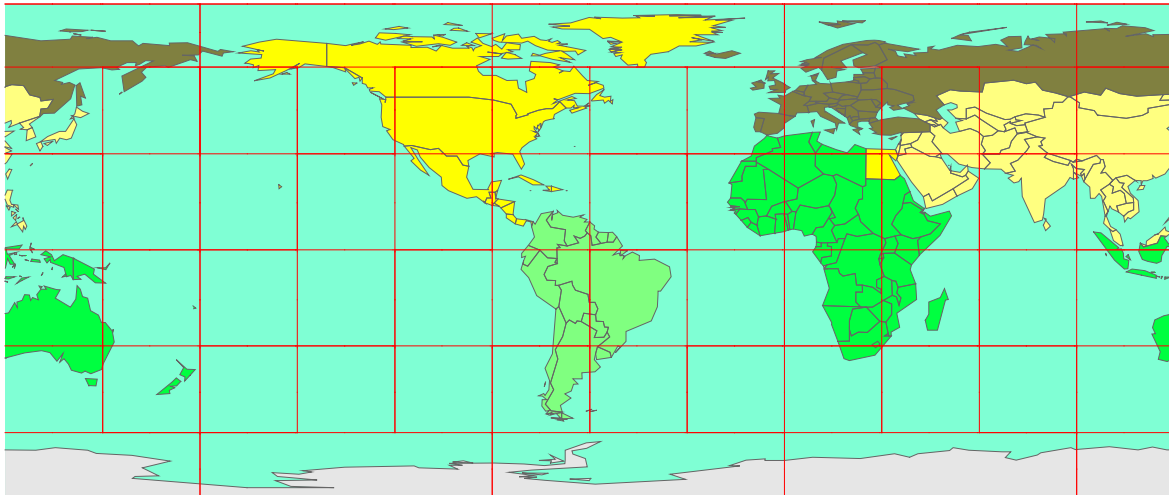
1. {40 N, 33 E} 2. {4 S, 15 E} 3. {35 S, 149 E} 4. {6 S, 107 E}
5. {33 N, 64 E} 6. {14 N, 34 E} 7. {0 S, 78 W} 8. {28 N, 90 E}



25.

Mark the following 8 points in the map:

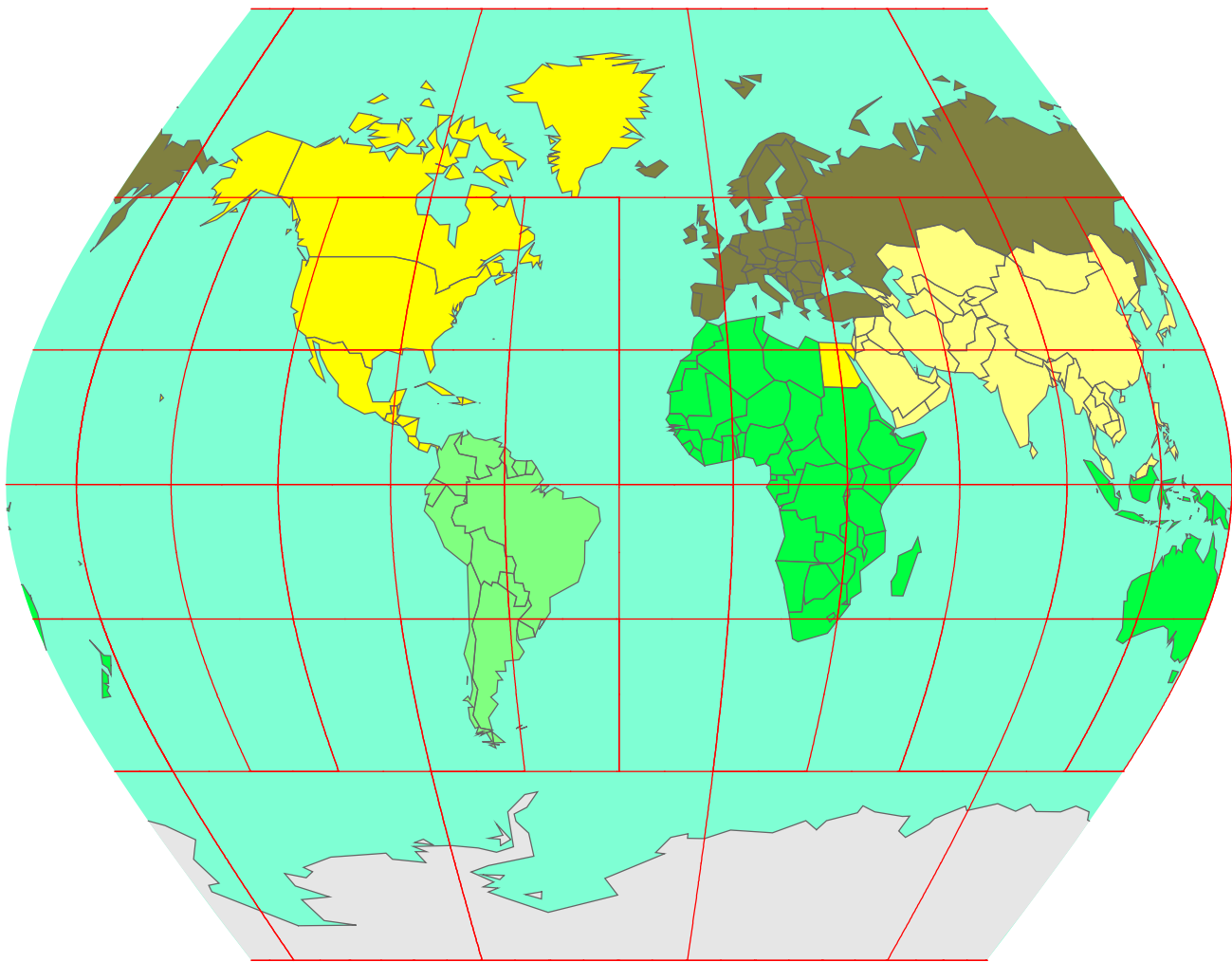
1. {43 N, 77 E}
2. {43 N, 2 E}
3. {38 N, 24 E}
4. {56 N, 3 W}
5. {6 N, 3 E}
6. {6 N, 1 E}
7. {22 S, 166 E}
8. {24 S, 47 W}



26.

Mark the following 8 points in the map:

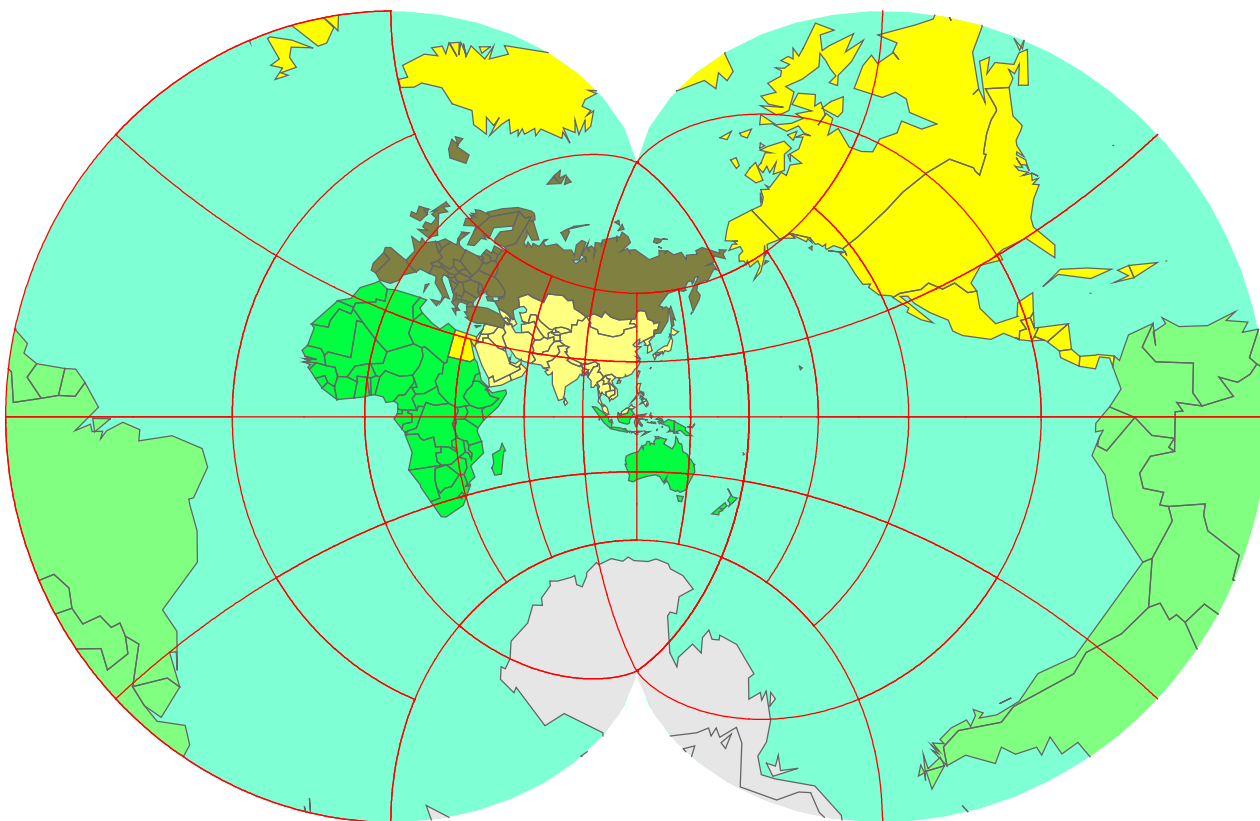
1. {44 N, 7 E} 2. {9 N, 39 E} 3. {13 N, 45 E} 4. {43 N, 2 E}
5. {25 S, 58 W} 6. {12 N, 70 W} 7. {17 N, 62 W} 8. {14 N, 87 W}



27.

Mark the following 8 points in the map:

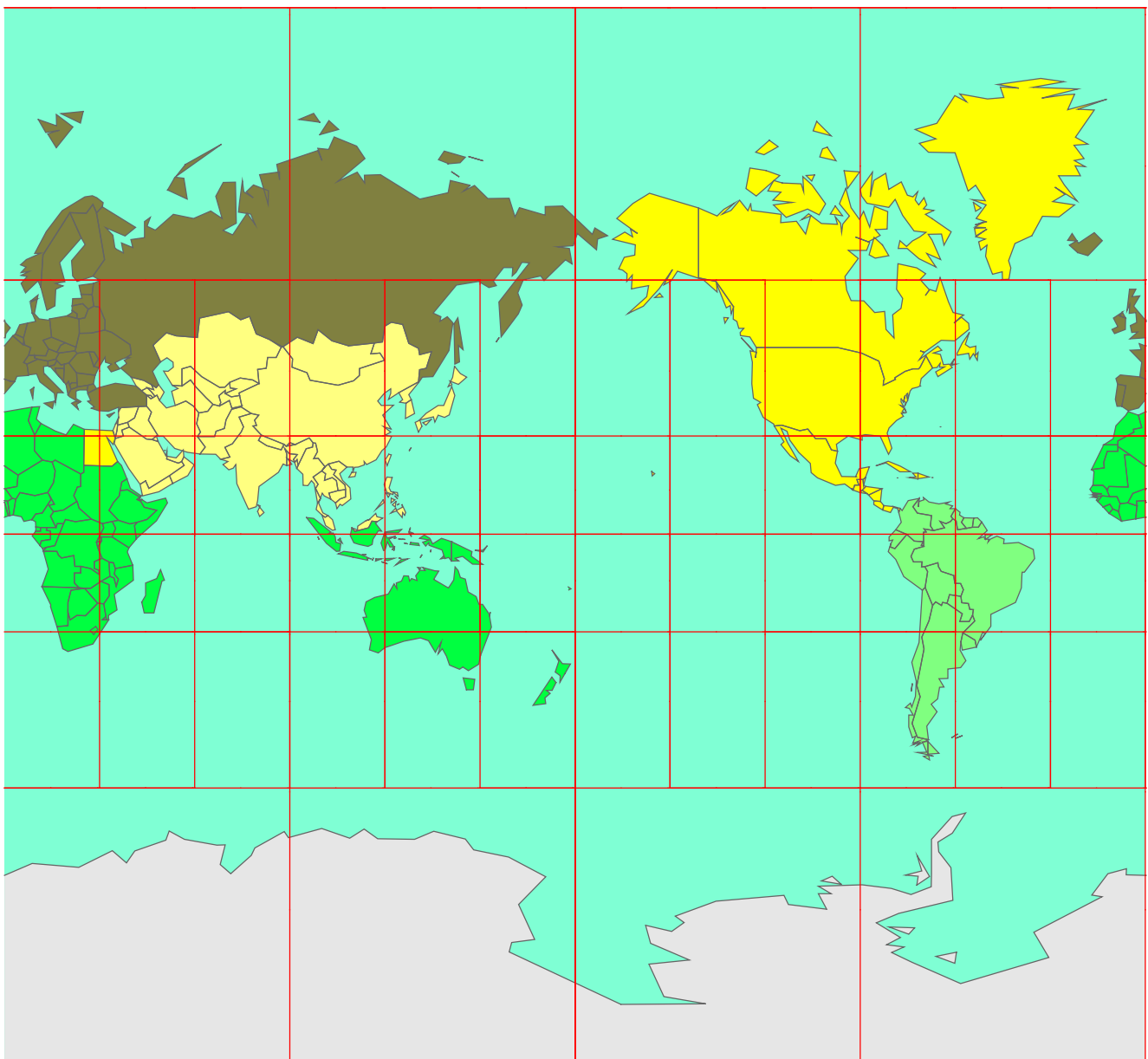
1. {37 N, 3 E} 2. {5 N, 74 W} 3. {7 N, 80 E} 4. {12 S, 77 W}
5. {46 N, 15 E} 6. {14 S, 171 W} 7. {38 N, 127 E} 8. {18 N, 103 E}



28.

Mark the following 8 points in the map:

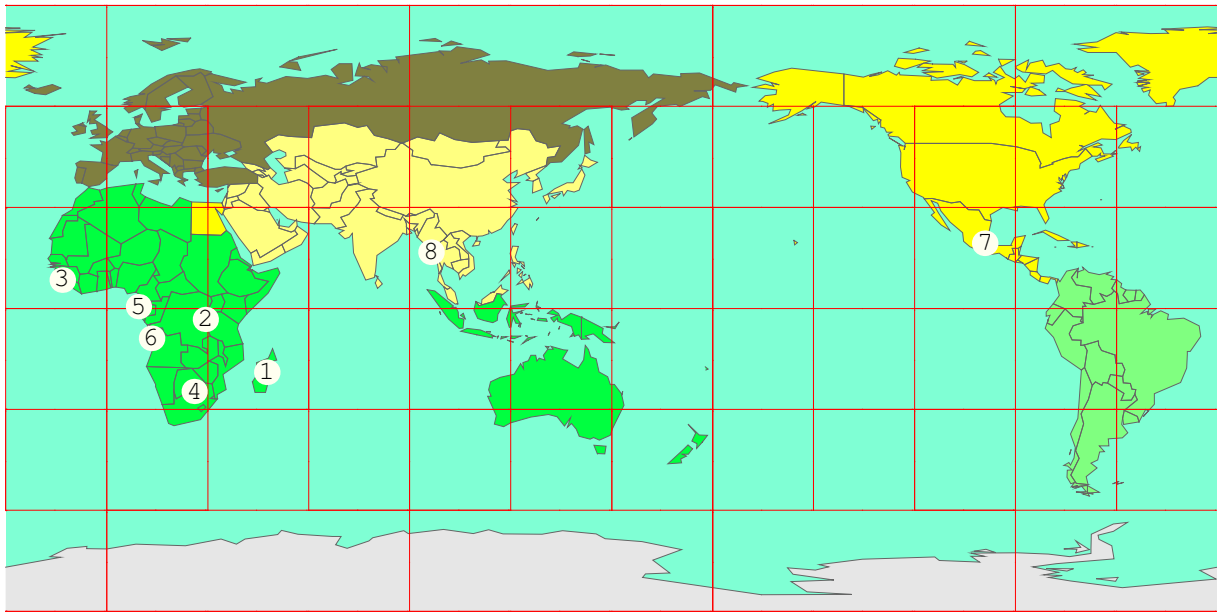
1. {16 S, 48 W} 2. {52 N, 3 W} 3. {22 N, 82 W} 4. {32 N, 35 E}
5. {12 N, 86 W} 6. {29 S, 28 E} 7. {10 N, 84 W} 8. {12 N, 62 W}



Solutions

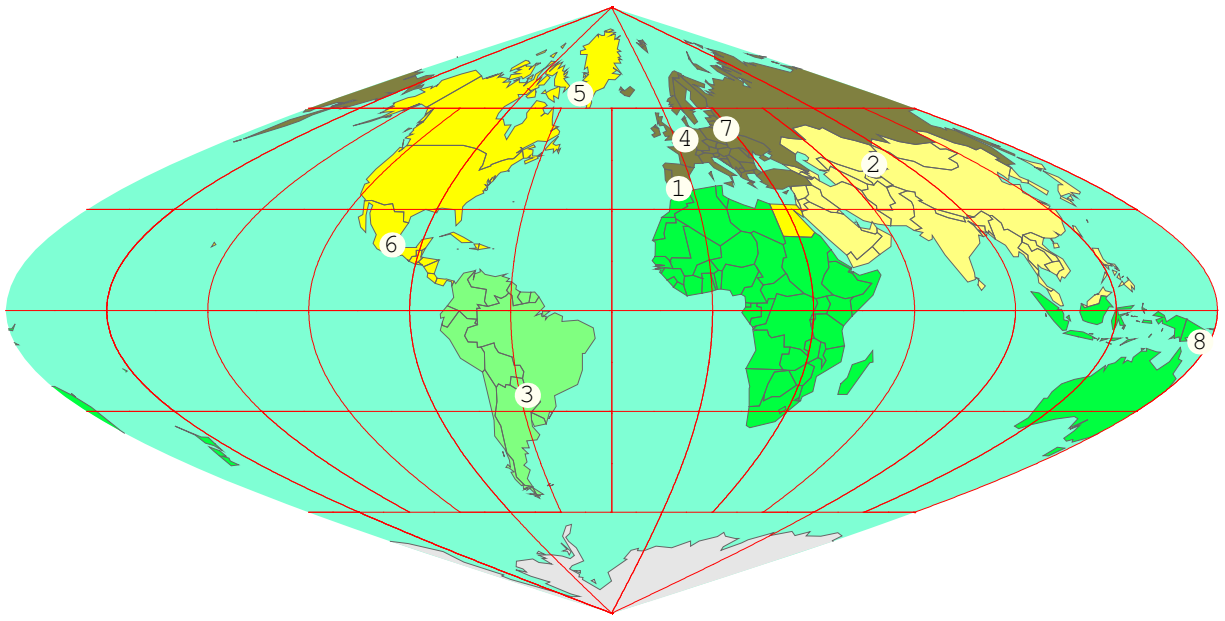
1.

1. Antananarivo
2. Bujumbura
3. Freetown
4. Gaborone
5. Libreville
6. Luanda
7. Mexico City
8. Rangoon



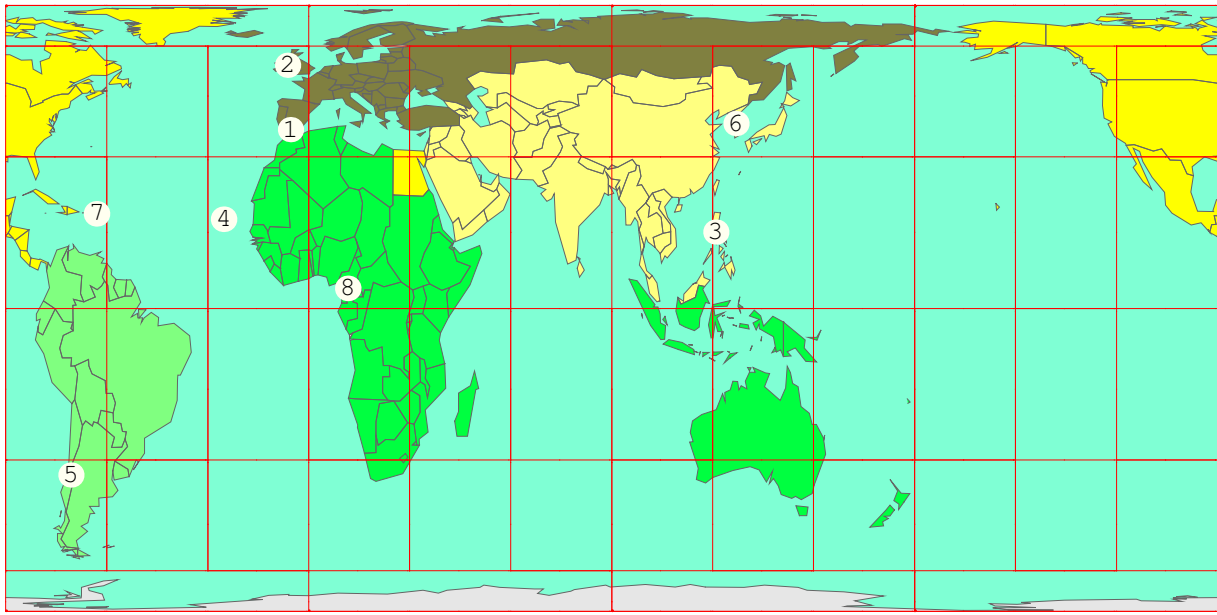
2.

51, -40}}}, {{Mexico City, Mexico}, {{19, 24}, {-99, -9}}}, {{Minsk, Belorussia}, {{53, 53}, {27, 30



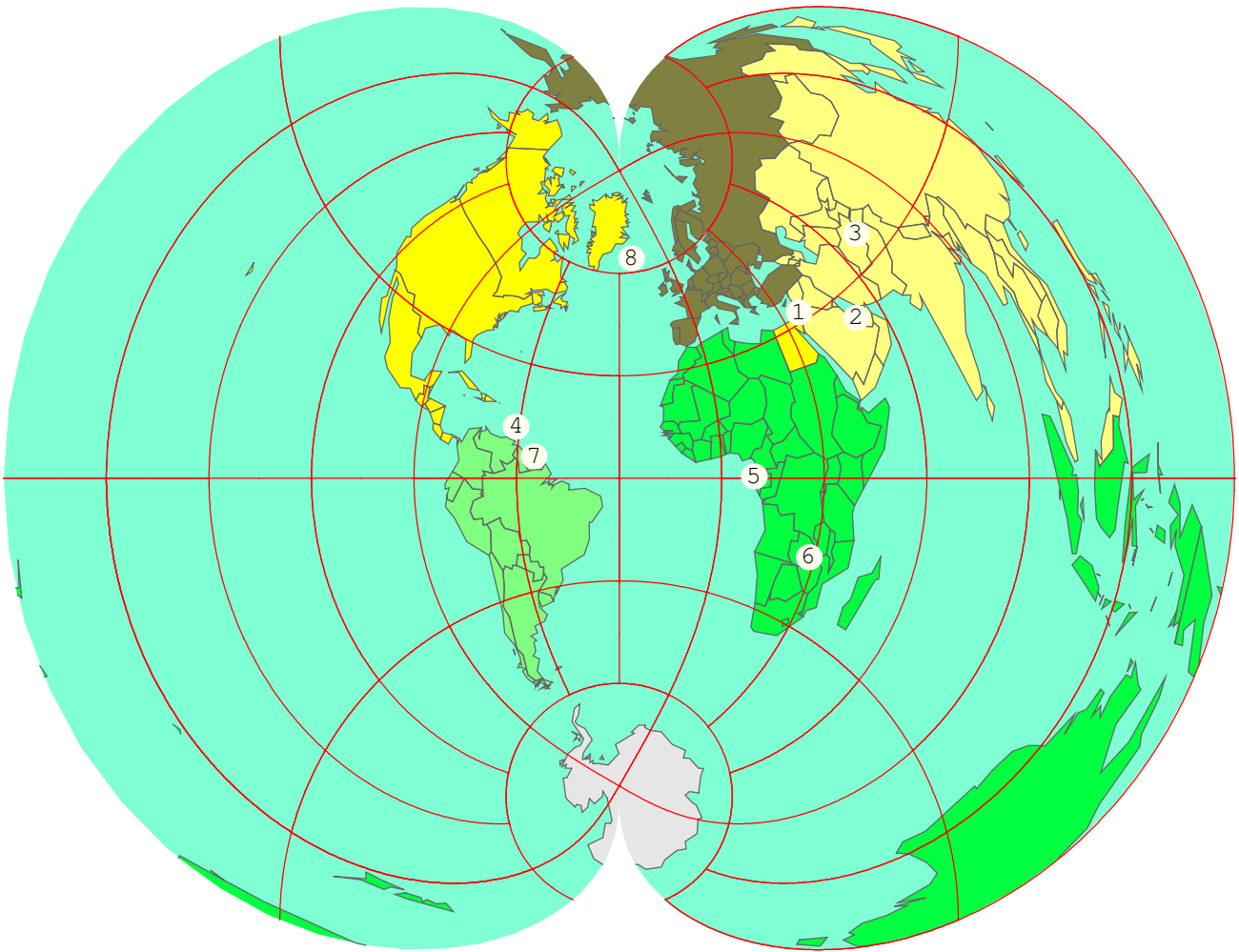
3.

$\{-24\}, \{-70, -39\}\}, \{\{\text{Seoul, South Korea}\}, \{\{37, 33\}, \{126, 58\}\}\}, \{\{\text{The Valley, Anguilla}\}, \{\{18, 14\}$



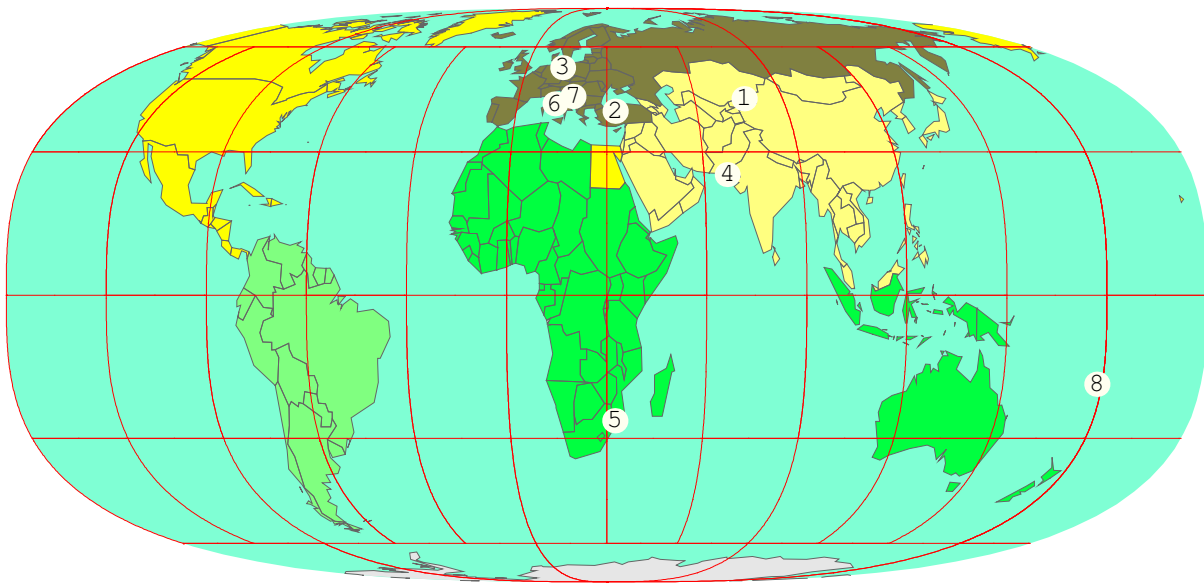
4.

1. Amman
2. Doha
3. Kabul
4. Kingstown
5. Libreville
6. Lusaka
7. Paramaribo
8. Reykjavik



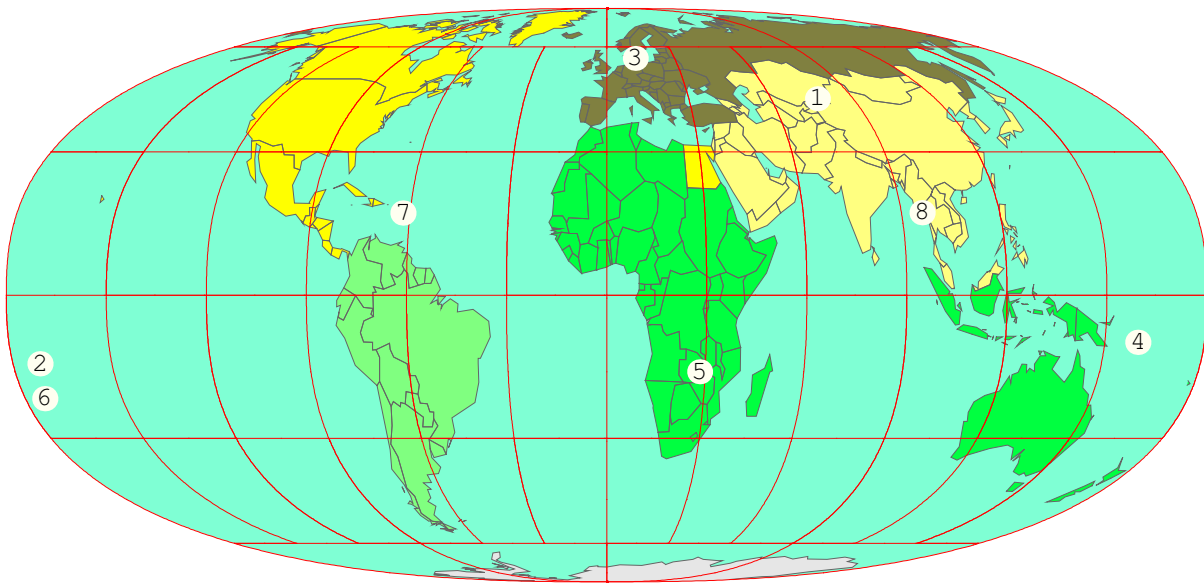
5.

1. Alma Alta 2. Ankara 3. Berlin 4. Karachi
5. Maputo 6. Rome 7. Sarajevo 8. Suva



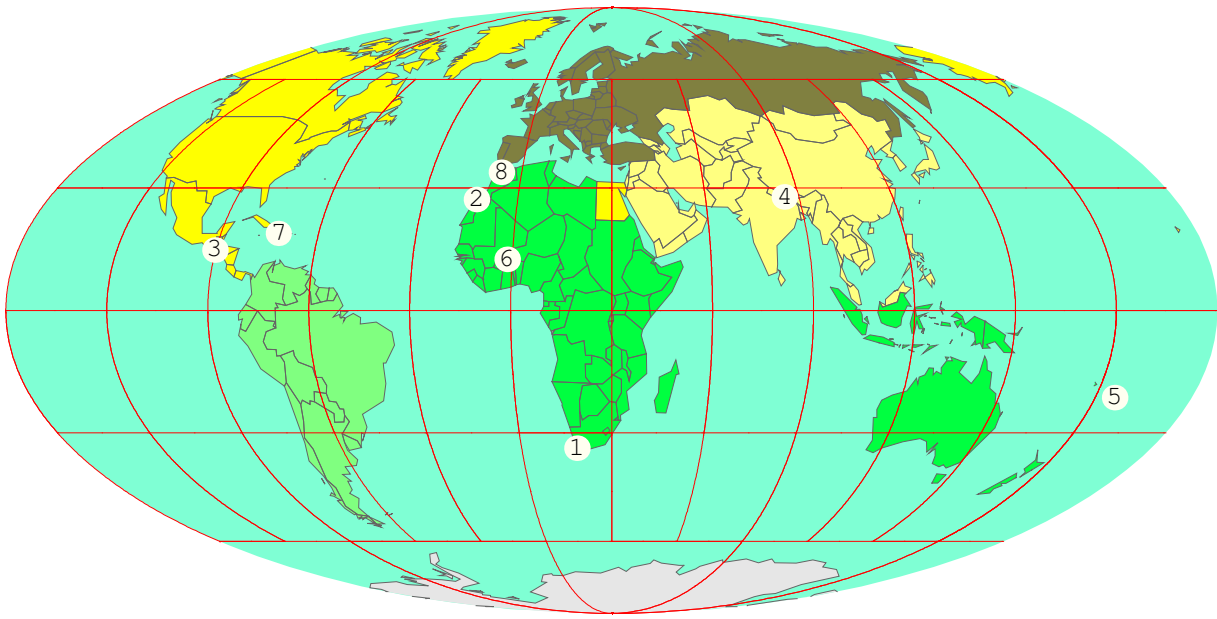
6.

1. Alma Alta
2. Apia
3. Copenhagen
4. Honiara
5. Lusaka
6. Nuku'alofa
7. Plymouth
8. Rangoon



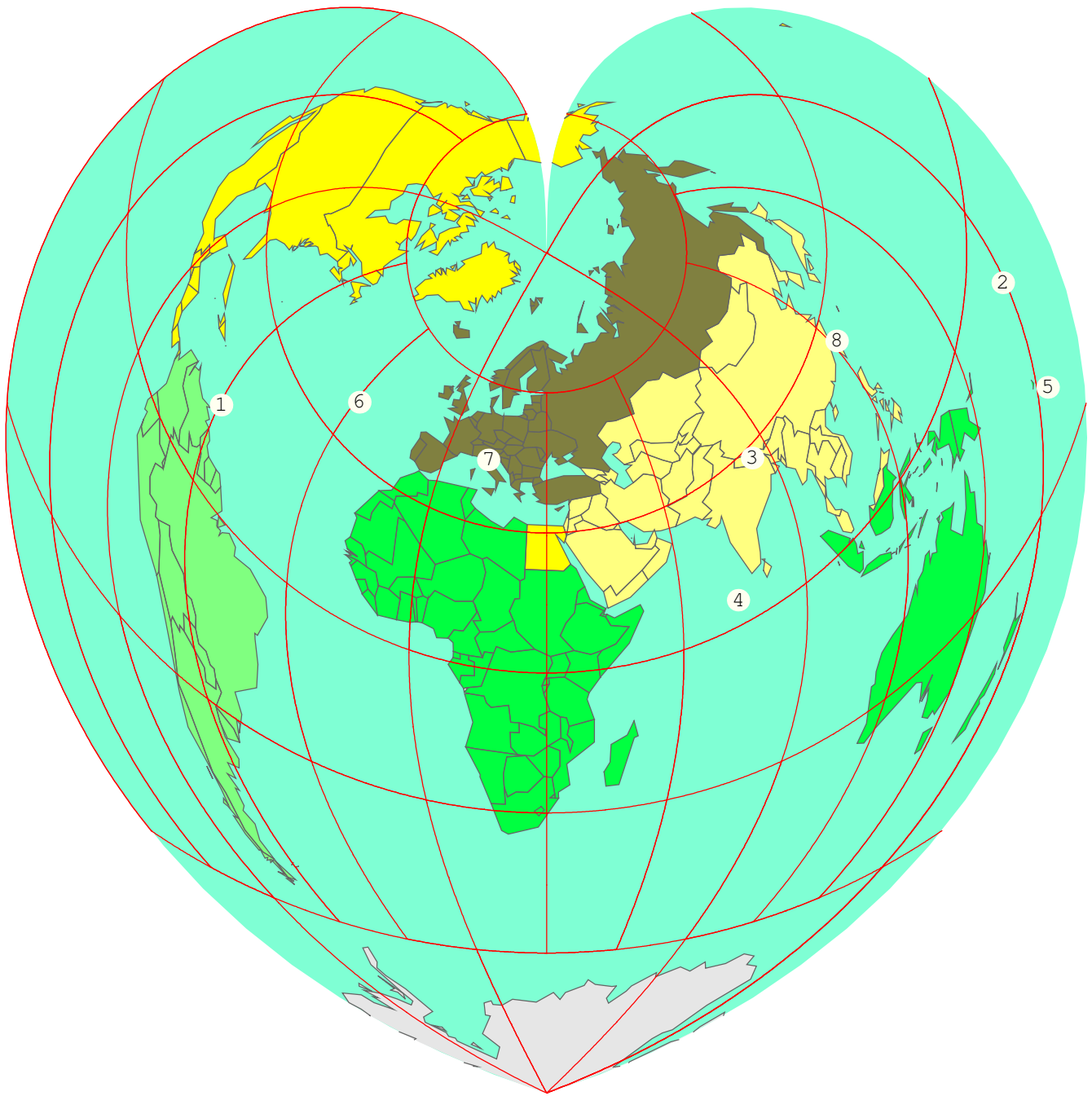
7.

1. Cape Town
2. El Aaiun
3. Guatemala City
4. Katmandu
5. Nuku'alofa
6. Ouagadougou
7. Port-au-Prince
8. Rabat



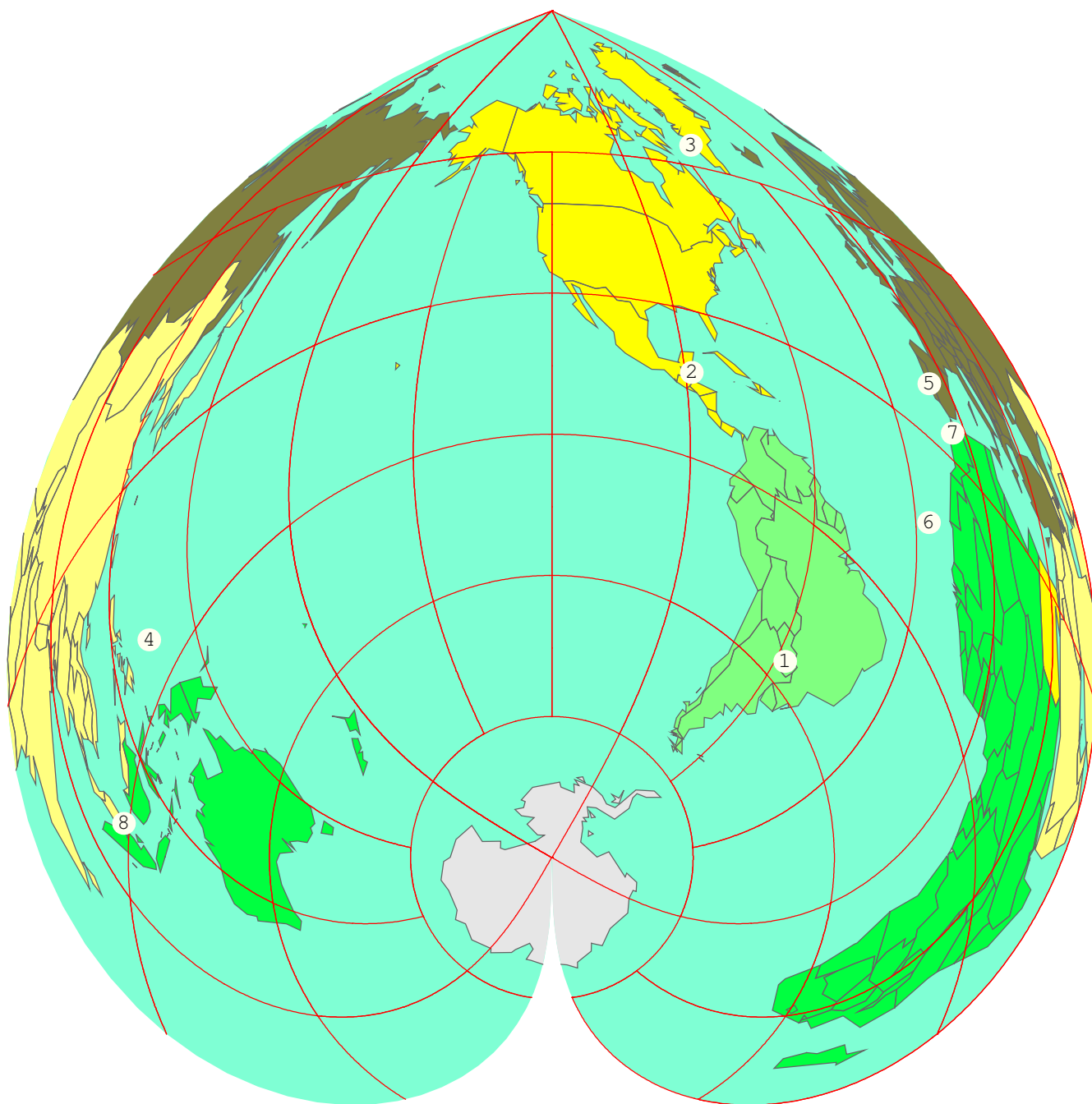
8.

1. Bridgetown 2. Funafuti 3. Katmandu 4. Male
5. Nuku'alofa 6. Ponta Delgada 7. San Marino 8. Taipei



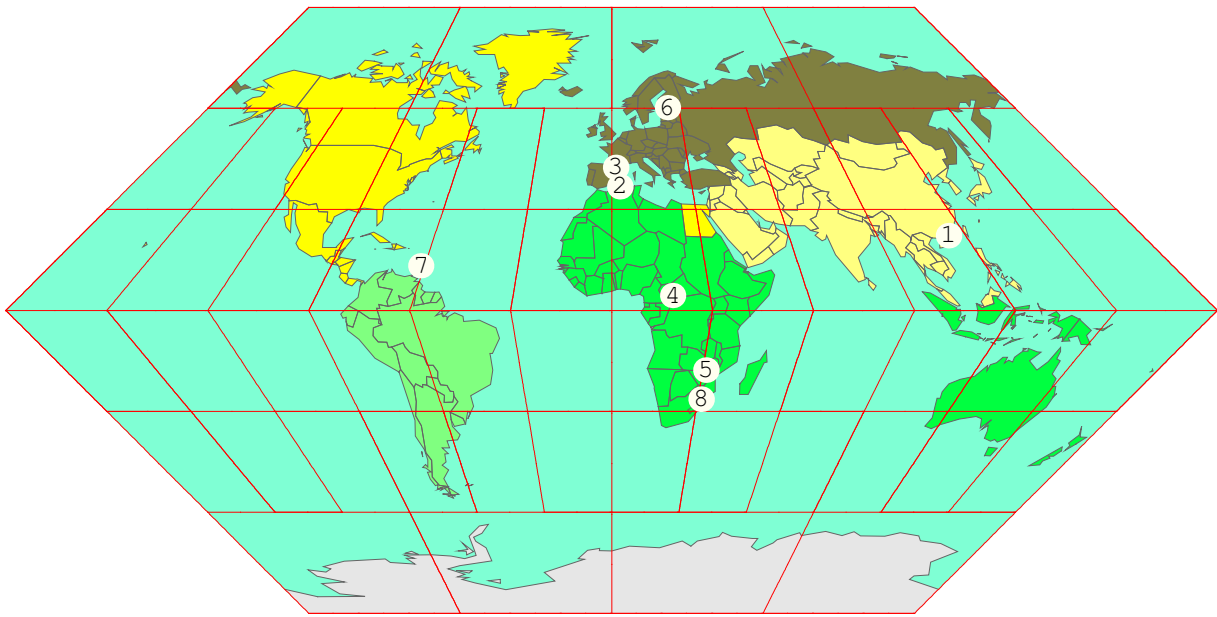
9.

1. Asuncion 2. Belmopan 3. Godthab 4. Koror
5. Lisbon 6. Praia 7. Rabat 8. Singapore



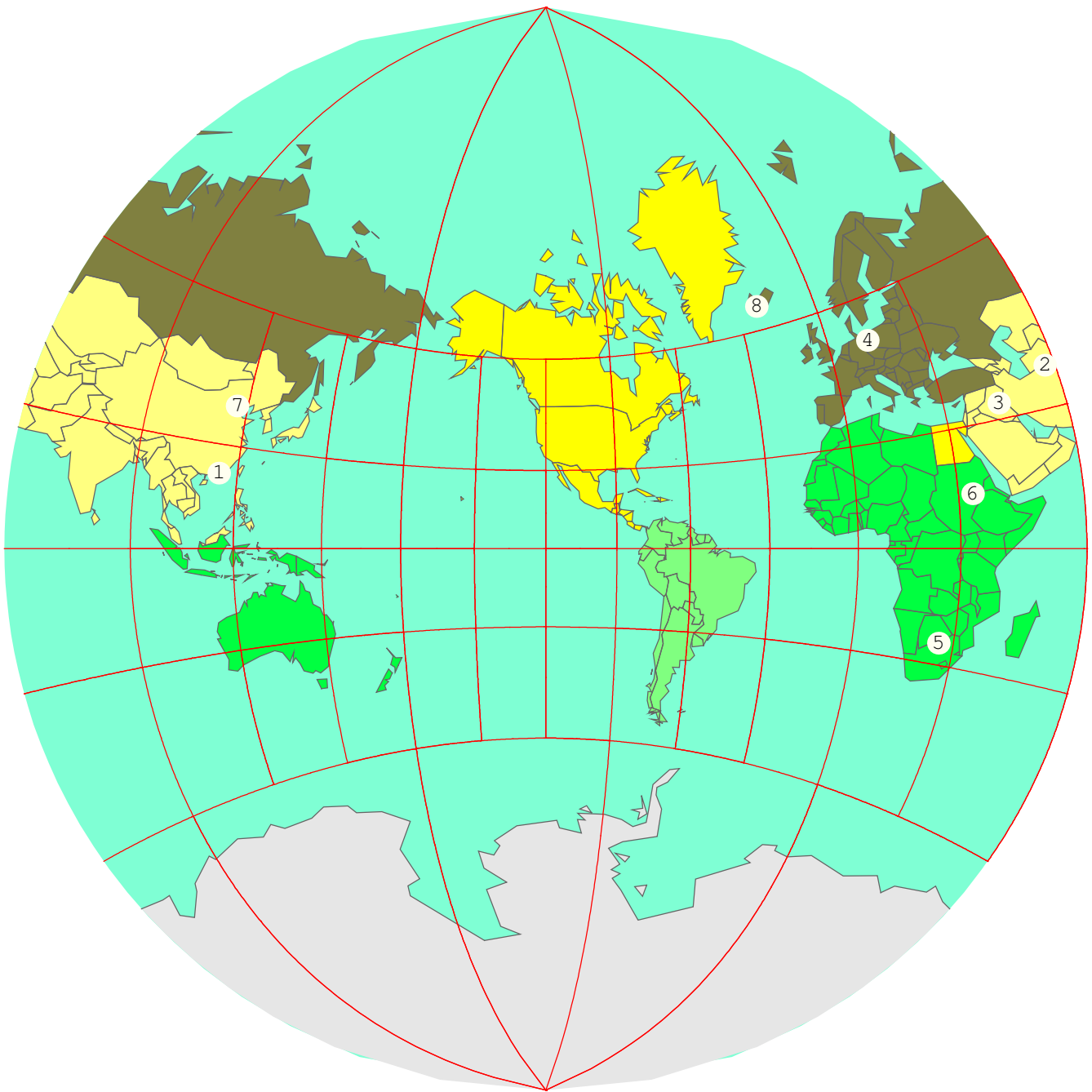
10.

, -43}, {31, 2}}}, {{Helsinki, Finland}, {{60, 10}, {24, 58}}}, {{Kingstown, St. Vincent-Grenadines}



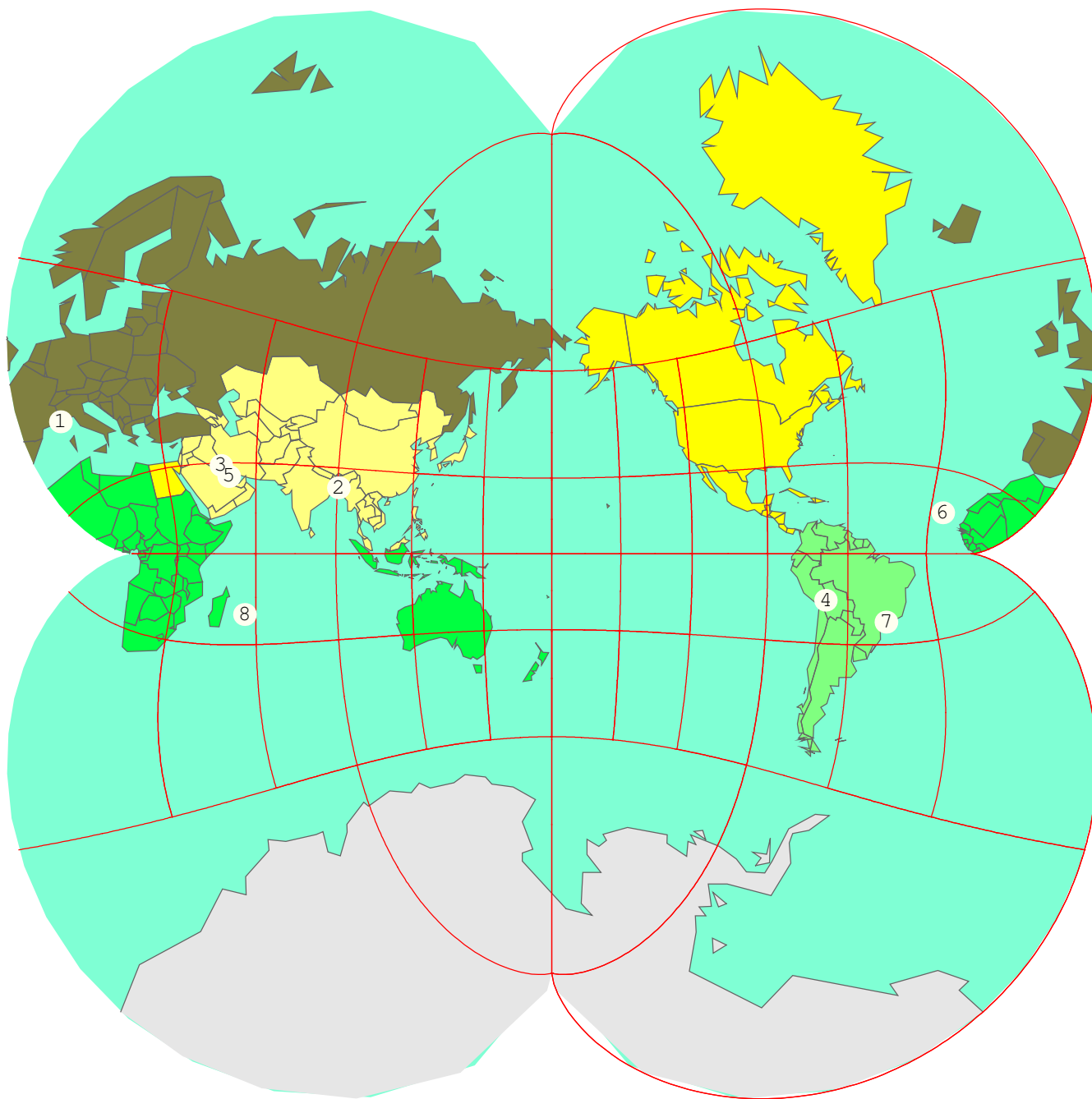
11.

{25, 57}}, {{Lilongwe, Malawi}, {{14, -1}, {33, 47}}}, {{Peking, China}, {{39, 55}, {116, 25}}}



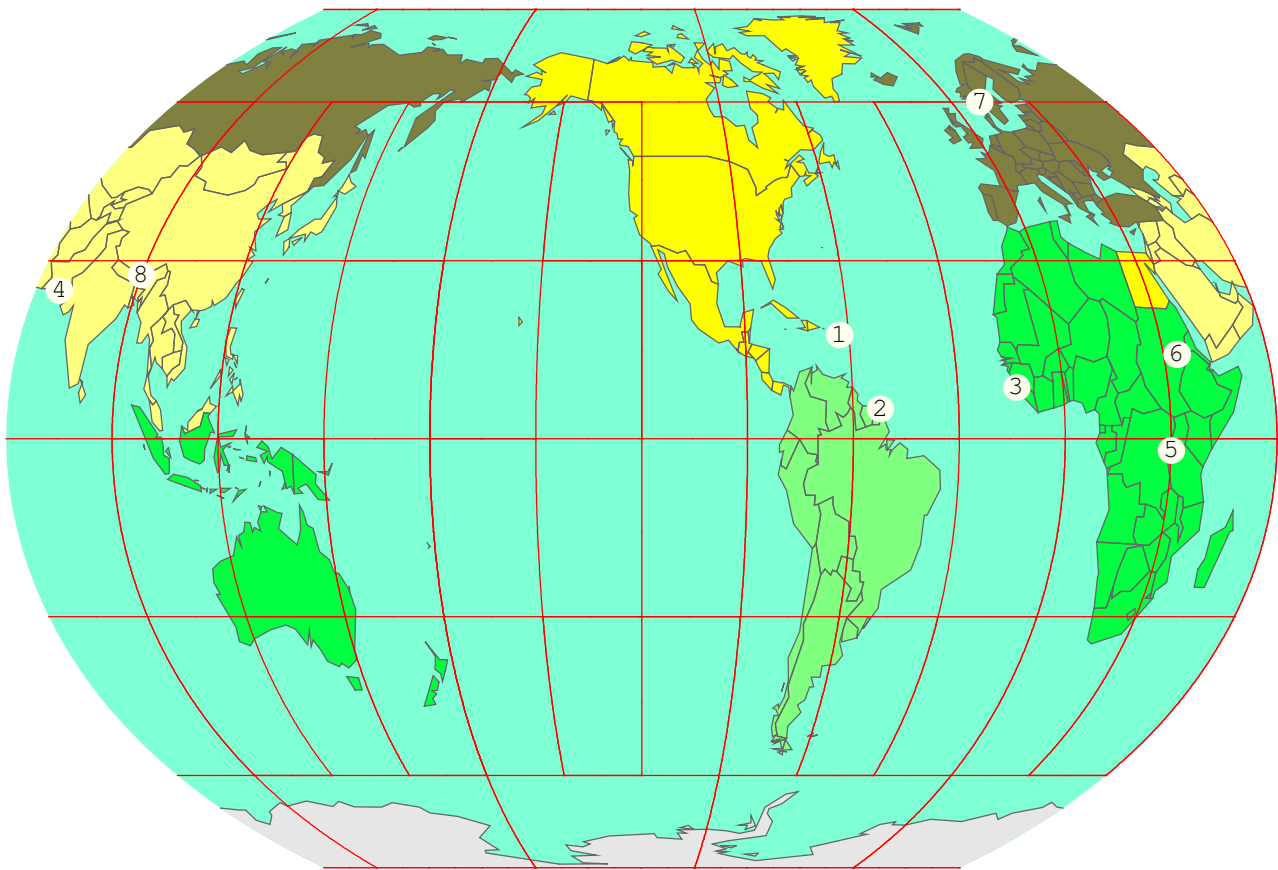
12.

}}, {{Praia, Cape Verde Islands}}, {{17, 10}}, {{-25, -20}}}}, {{Sao Paulo, Brazil}}, {{-23, -33}}, {{-46



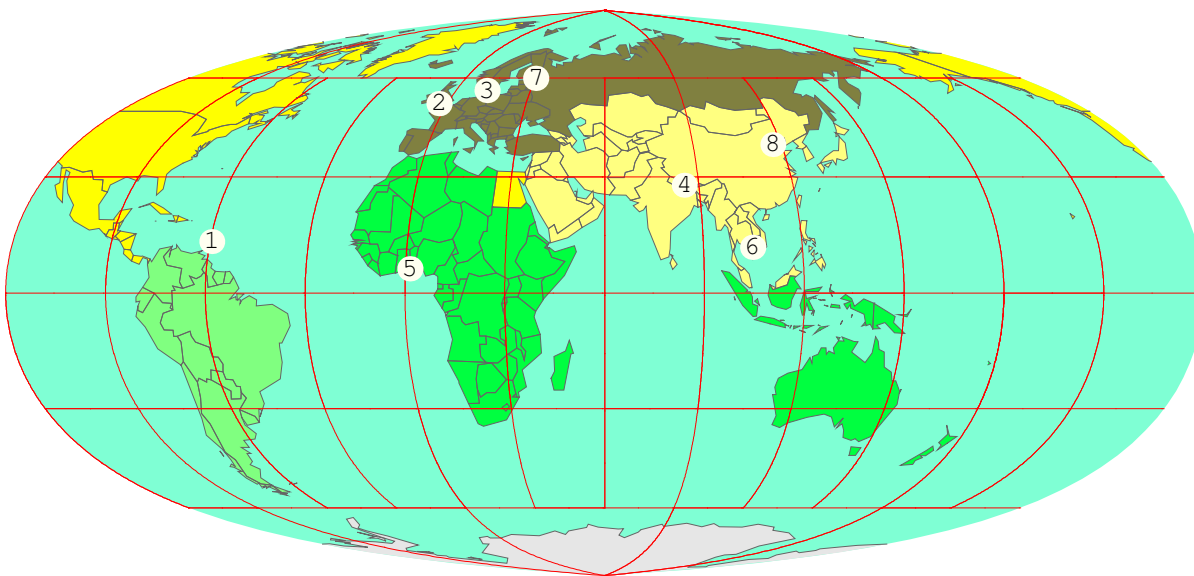
13.

- 1. Basseterre 2. Cayenne 3. Freetown 4. Karachi
- 5. Kigali 6. Lilongwe 7. Oslo 8. Thimphu



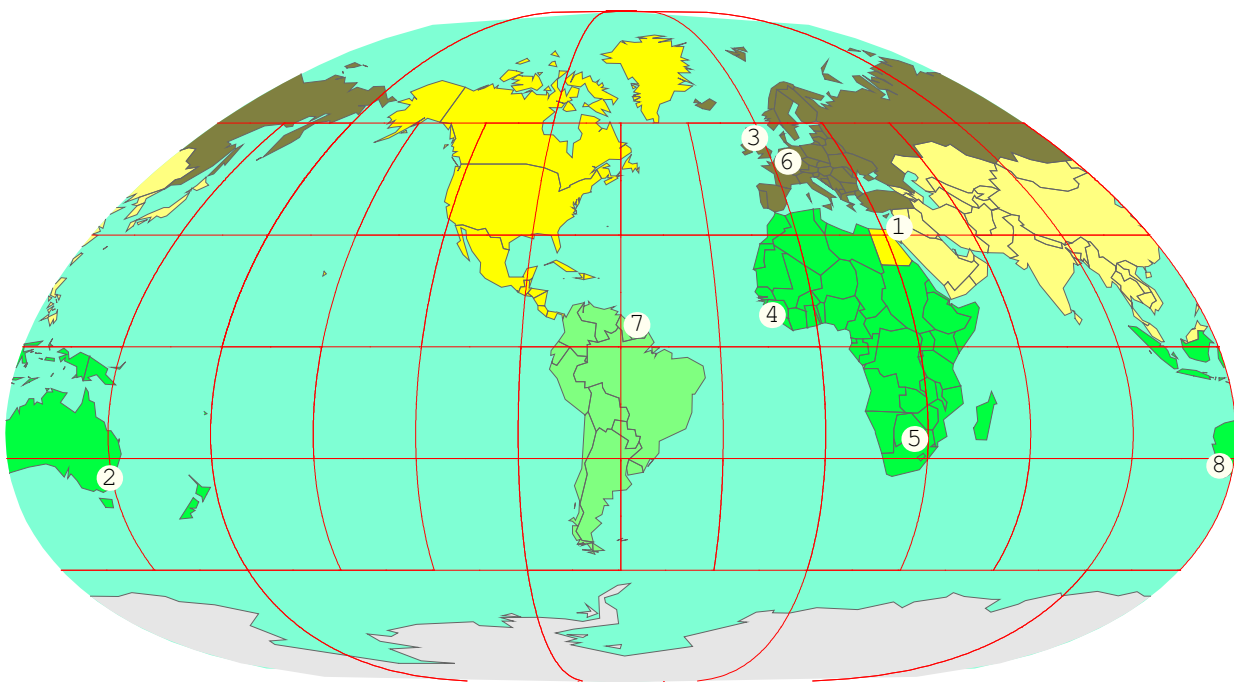
14.

1. Bridgetown 2. Cardiff 3. Copenhagen 4. Katmandu
5. Lome 6. Phnom Penh 7. St. Peterburg 8. Tianjin



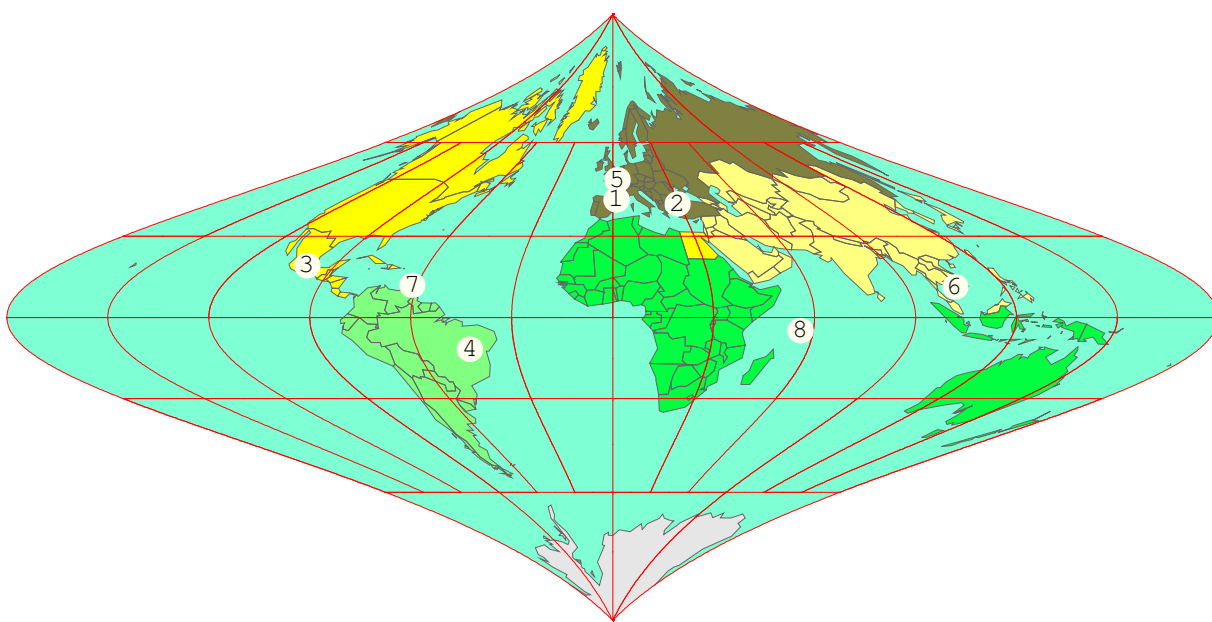
15.

1. Amman
2. Canberra
3. Edinburgh
4. Freetown
5. Gaborone
6. Luxembourg
7. Paramaribo
8. Perth



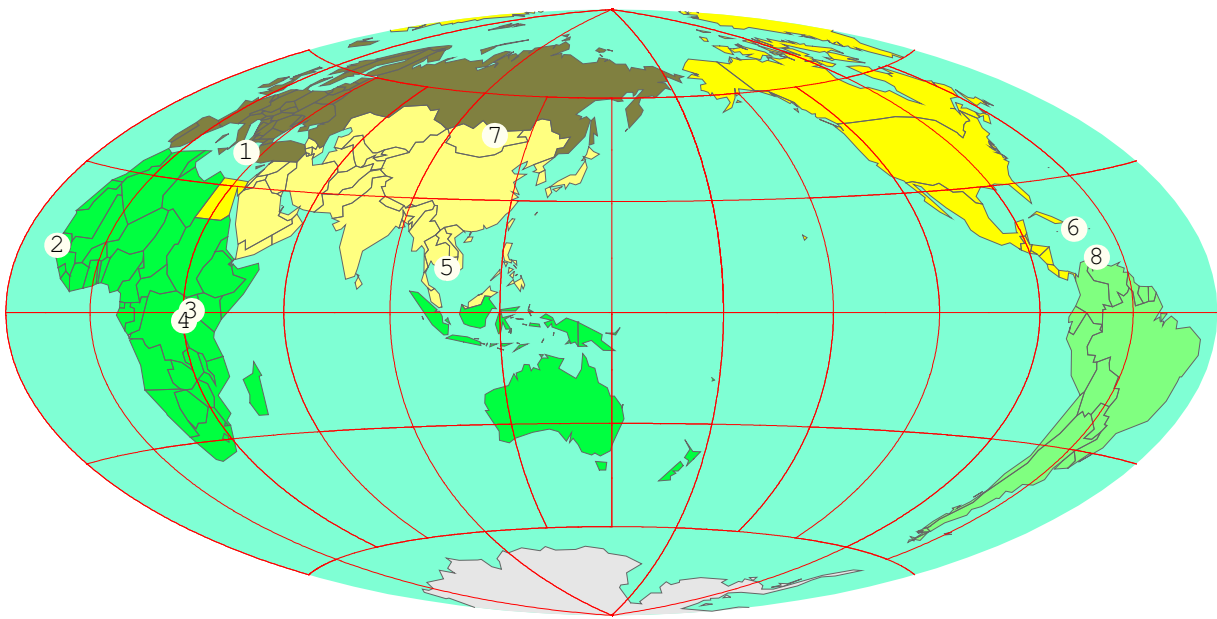
16.

1. Andorre-la-Vella 2. Istanbul 3. Mexico City 4. Moroni
5. Paris 6. Phnom Penh 7. St. George's 8. Victoria



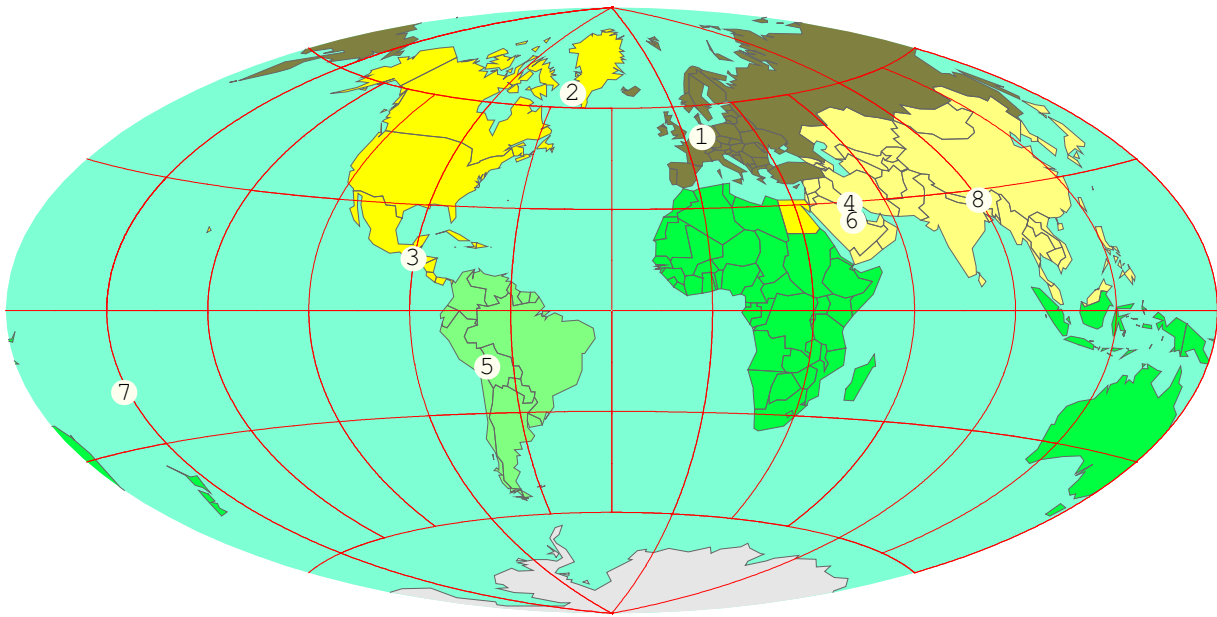
17.

1. Athens 2. Banjul 3. Kampala 4. Kigali
5. Phnom Penh 6. Port-au-Prince 7. Ulan Bator 8. Willemstad



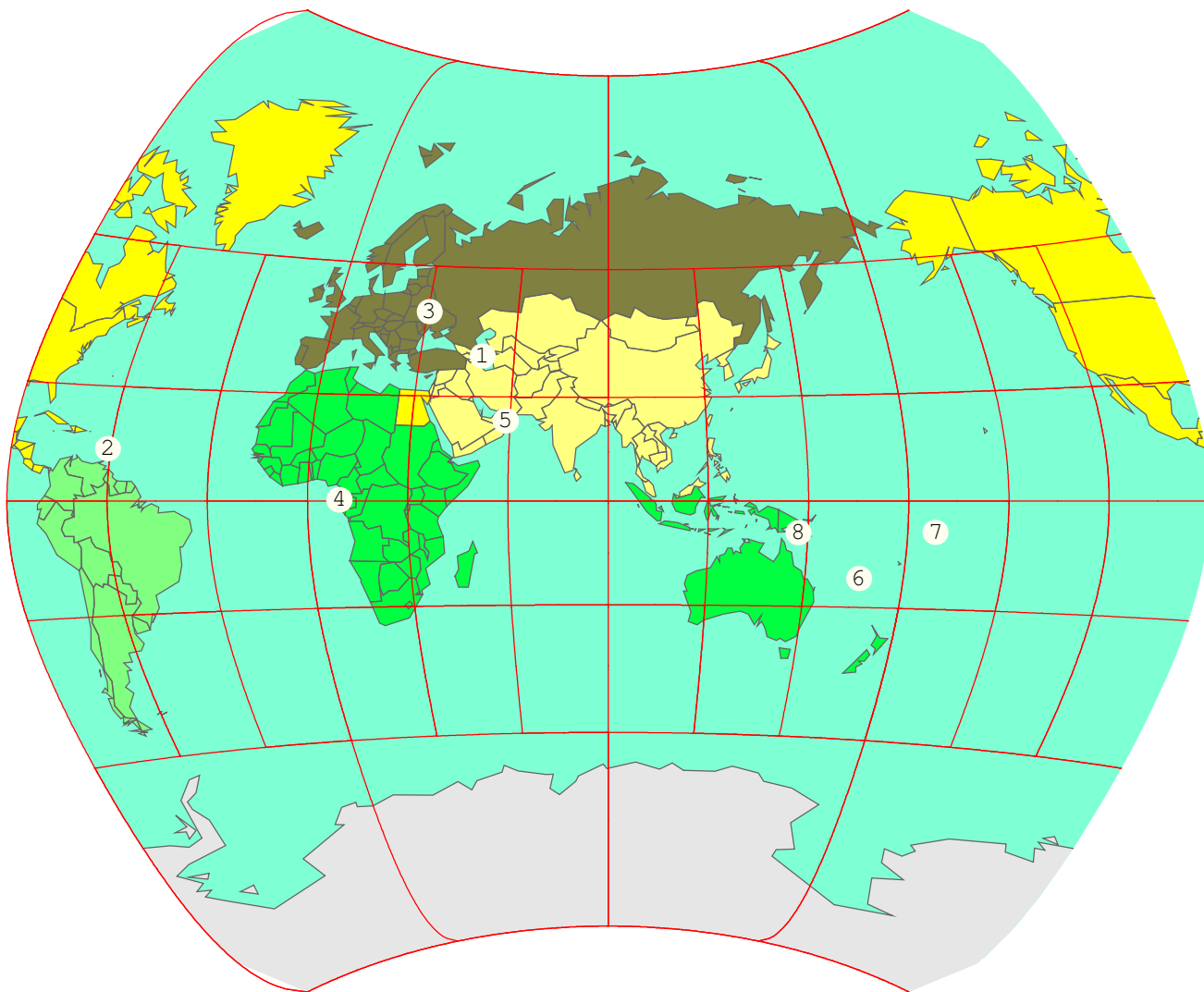
18.

1. Bonn 2. Godthab 3. Guatemala City 4. Kuwait City
5. La Paz 6. Riyadh 7. Suva 8. Thimphu



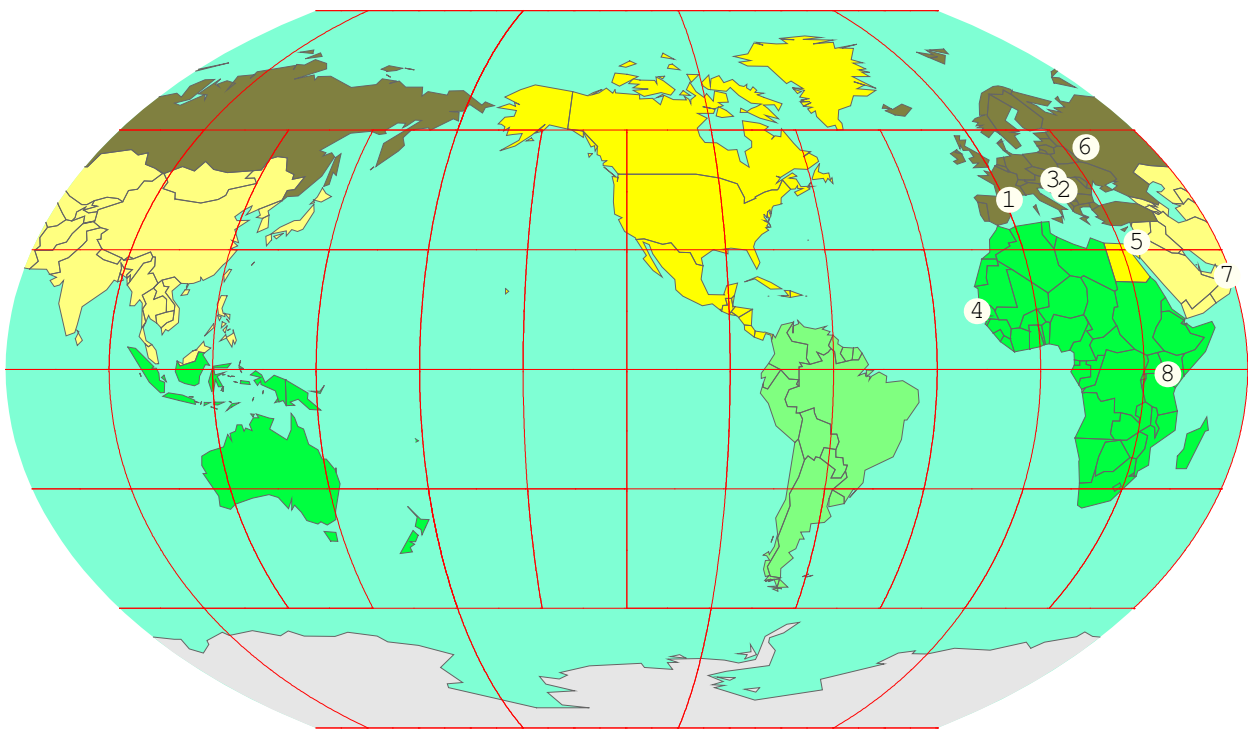
19.

1. Baku 2. Castries 3. Kiev 4. Libreville
5. Muscat 6. Noumea 7. Nukunonu 8. Port Moresby



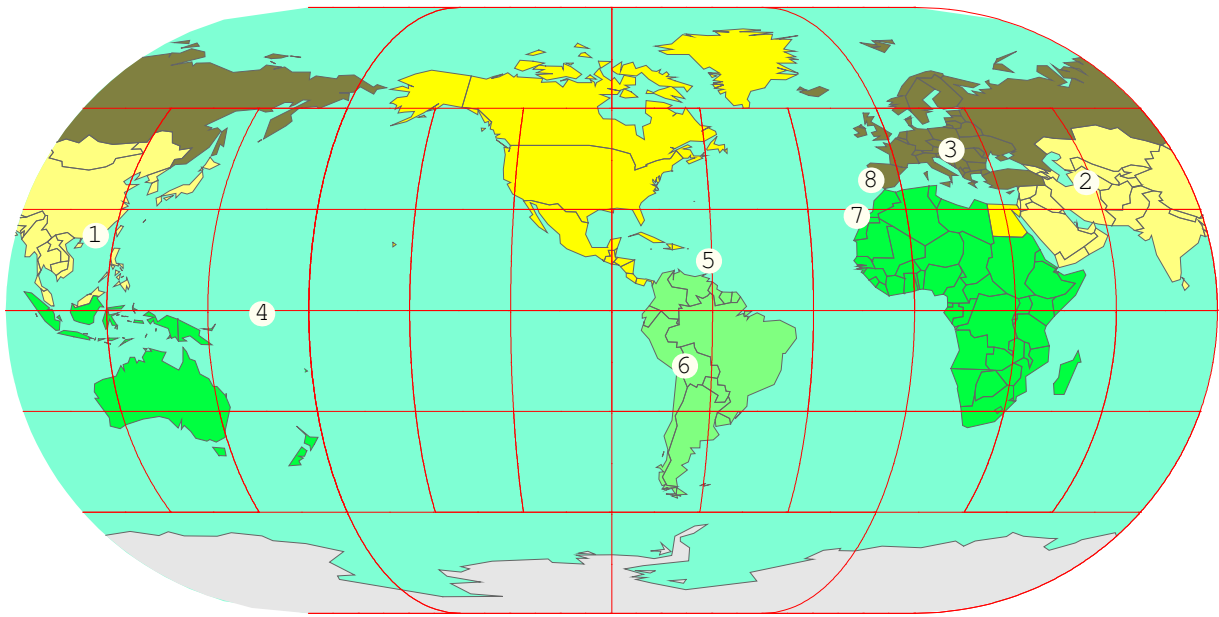
20.

1. Andorre-la-Vella
2. Belgrade
3. Budapest
4. Dakar
5. Jerusalem
6. Moscow
7. Muscat
8. Nairobi



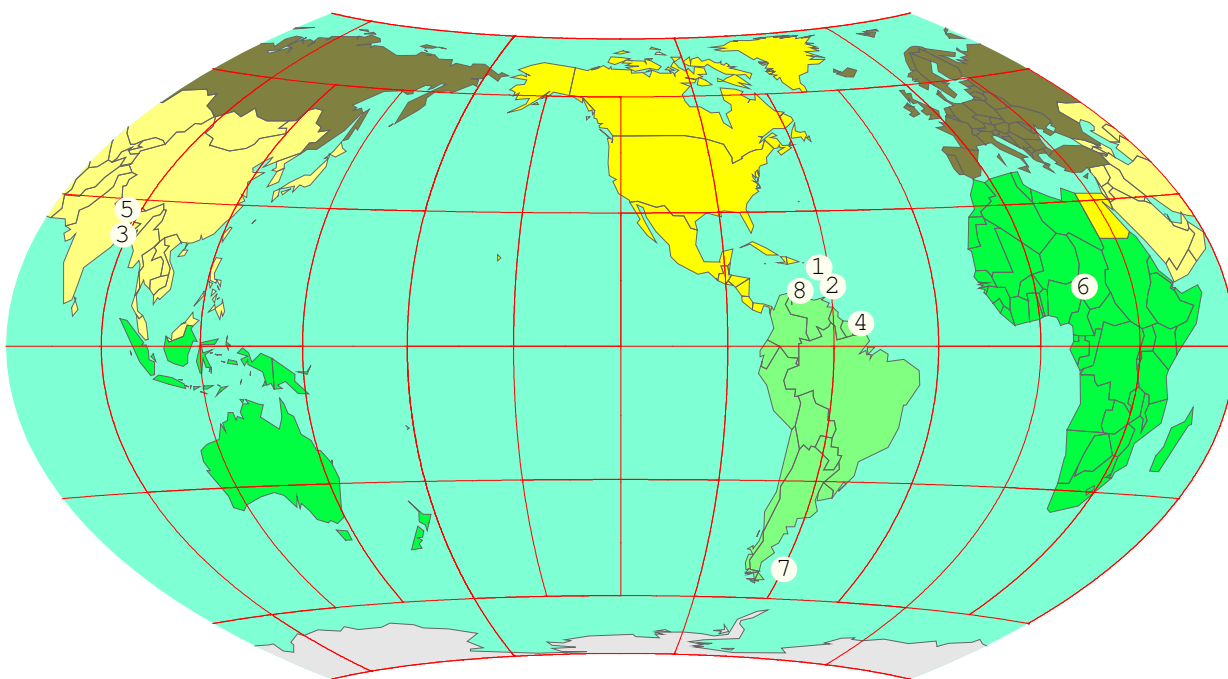
21.

, {-61, -2}}, {{La Paz, Bolivia}, {{-16, -30}, {-68, -9}}}, {{Las Palmas, Canary Islands}, {{28, 7.



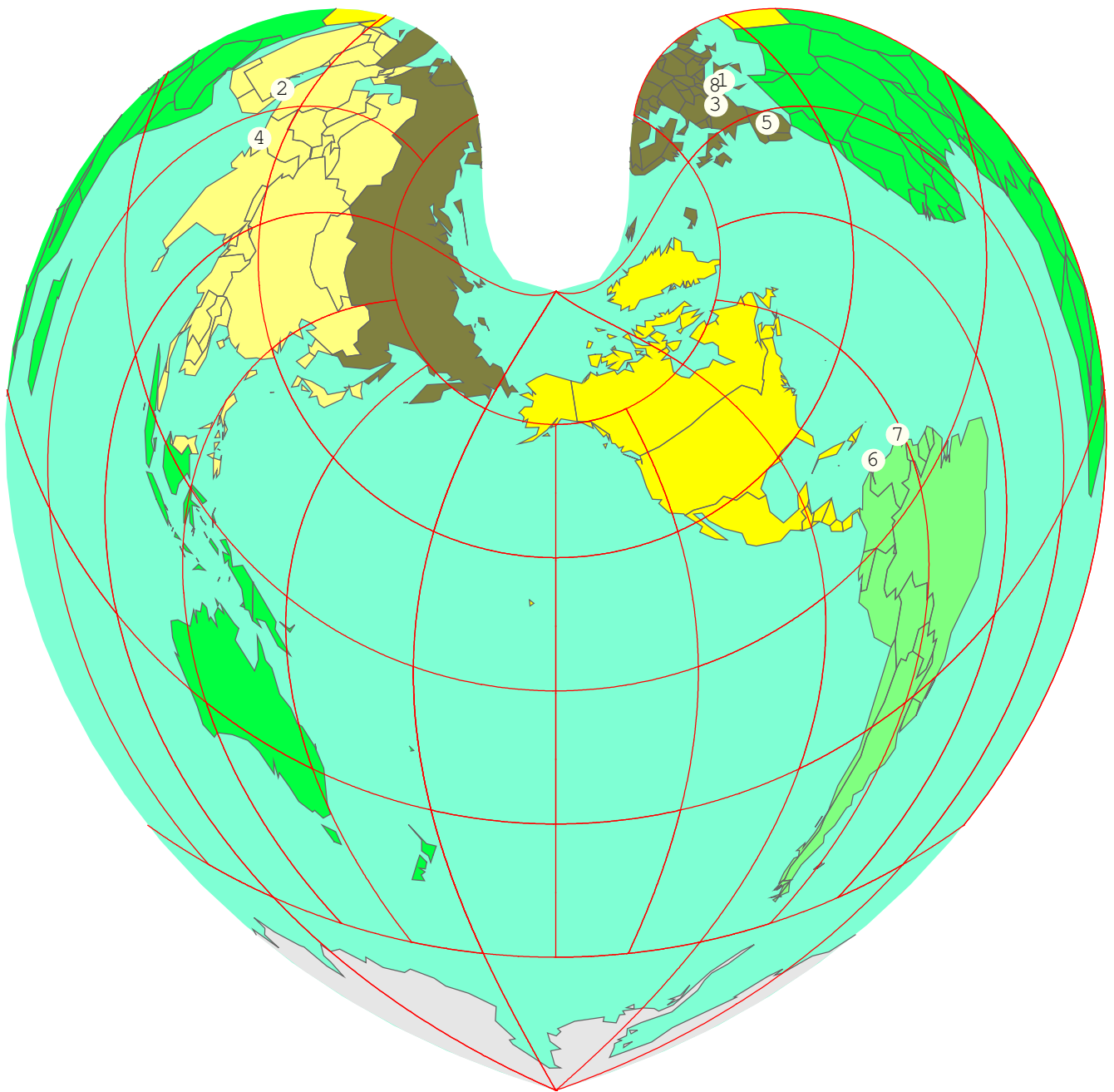
22.

1. Basseterre
2. Bridgetown
3. Calcutta
4. Cayenne
5. Katmandu
6. Ndjamena
7. Stanley
8. Willemstad



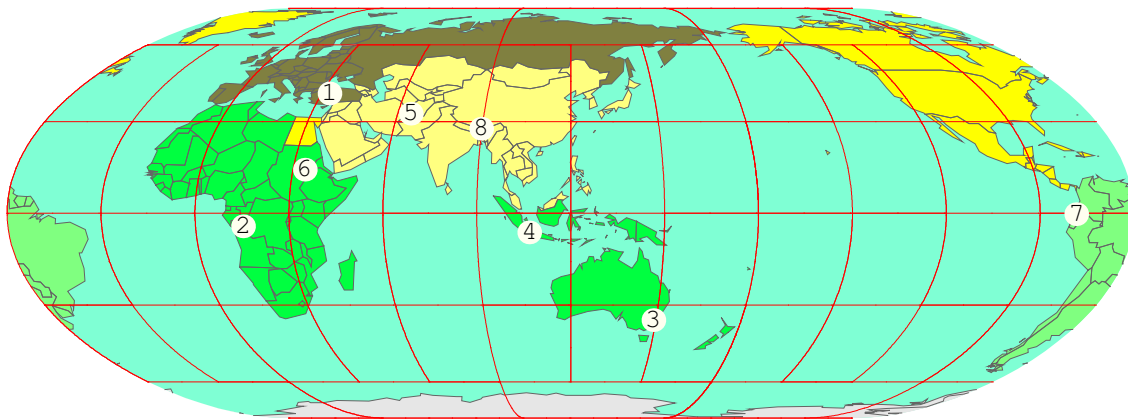
23.

ad, Aruba}, {{12, 30}, {-70, 0}}}, {{Port of Spain, Trinidad and Tobago}, {{10, 40}, {-61, -31}}}, {



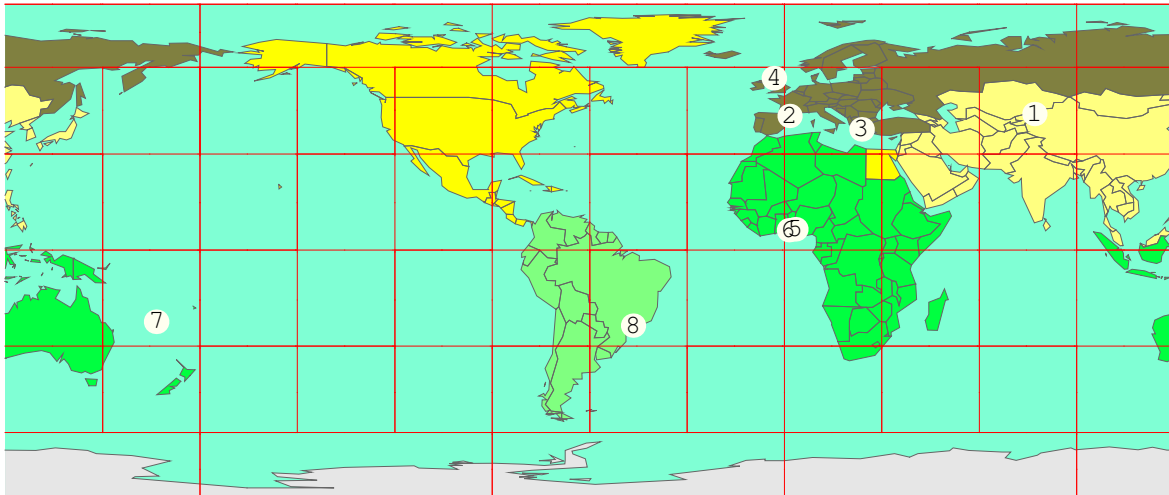
24.

1. Ankara
2. Brazzaville
3. Canberra
4. Djakarta
5. Hamilton
6. Lilongwe
7. Quito
8. Thimphu



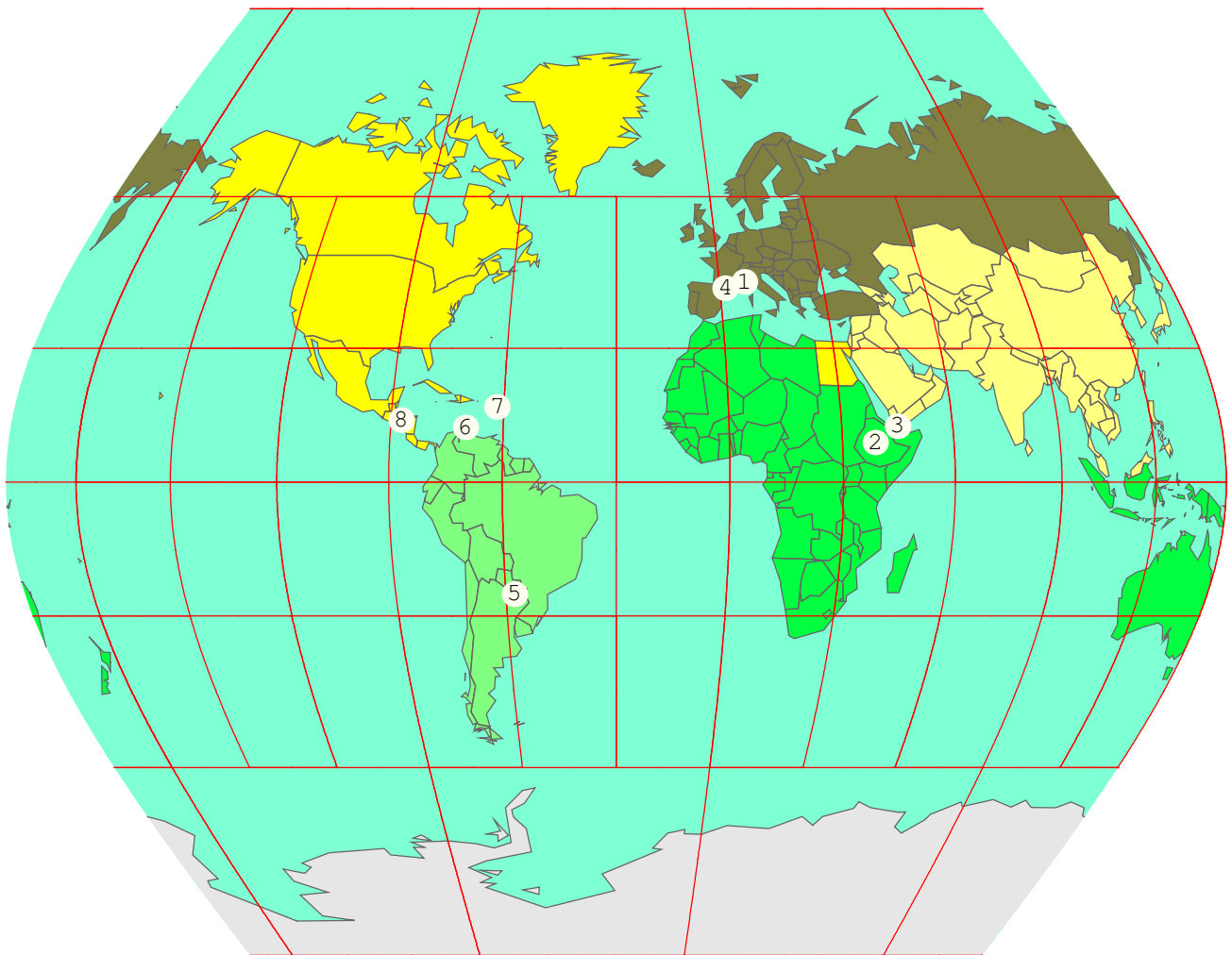
25.

1. Alma Alta 2. Andorre-la-Vella 3. Athens 4. Edinburgh
5. Lagos 6. Lome 7. Noumea 8. Sao Paulo



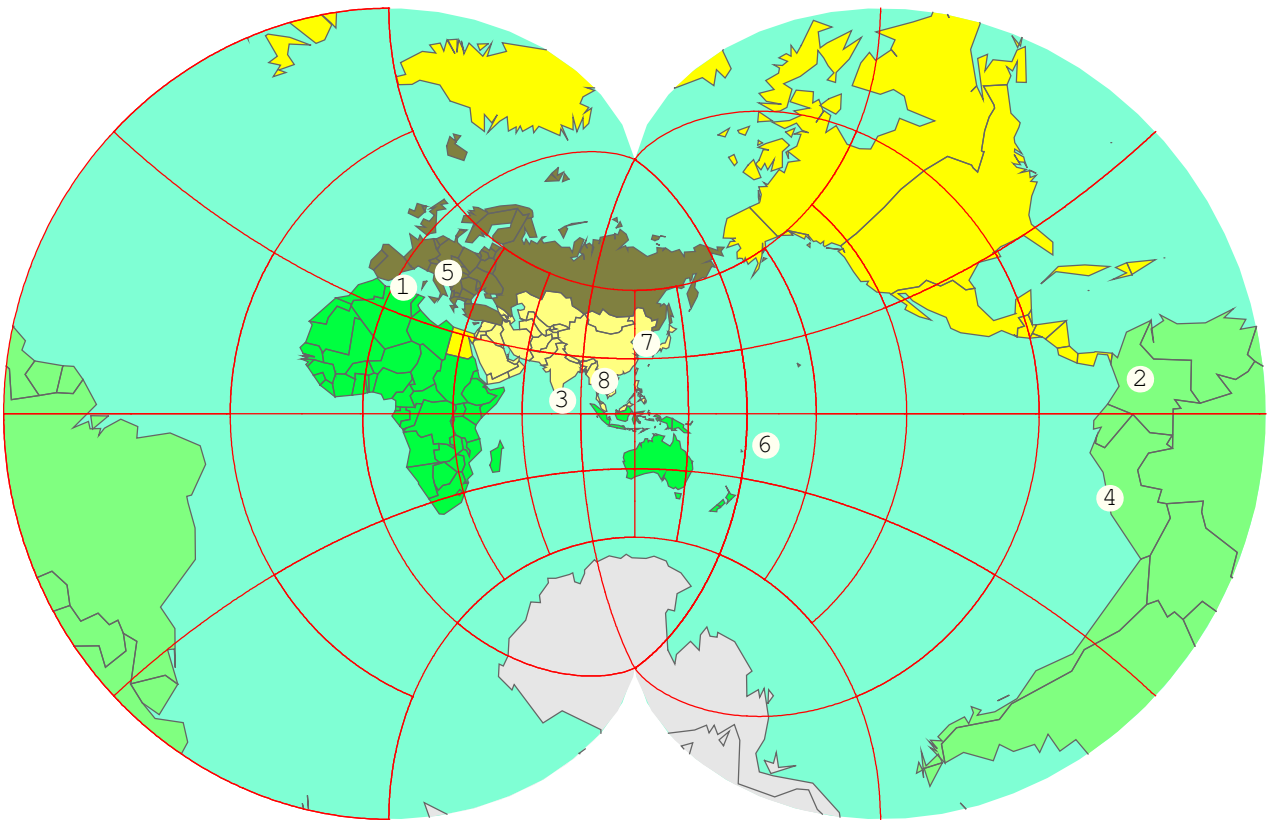
26.

njestad, Aruba}, {{12, 30}, {-70, 0}}}, {{St. John's, Antigua and Barbuda}, {{17, 6}, {-61, -51}}},



27.

1. Algiers 2. Bogota 3. Colombo 4. Lima
5. Ljubljana 6. Pago Pago 7. Seoul 8. Vientiane



28.

1. Brasilia 2. Cardiff 3. Havana 4. Jerusalem
5. Managua 6. Maseru 7. San Jose 8. St. George's

