

Izidor Hafner

# Maps

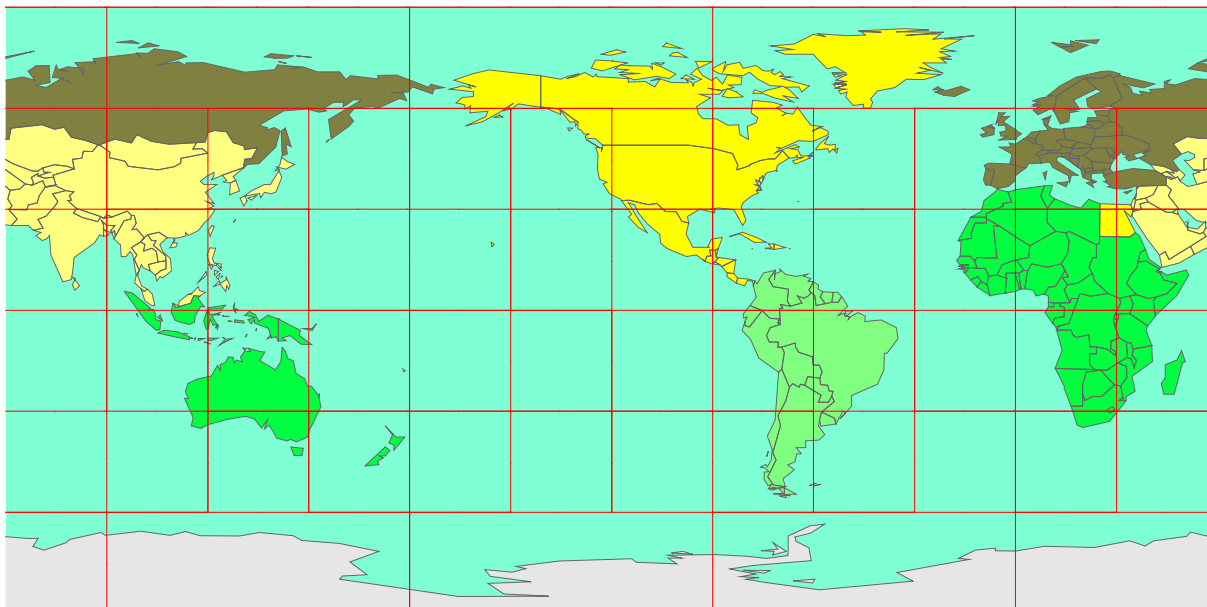
Latitude and Longitude

# Problems

1.

Mark the following 8 points in the map:

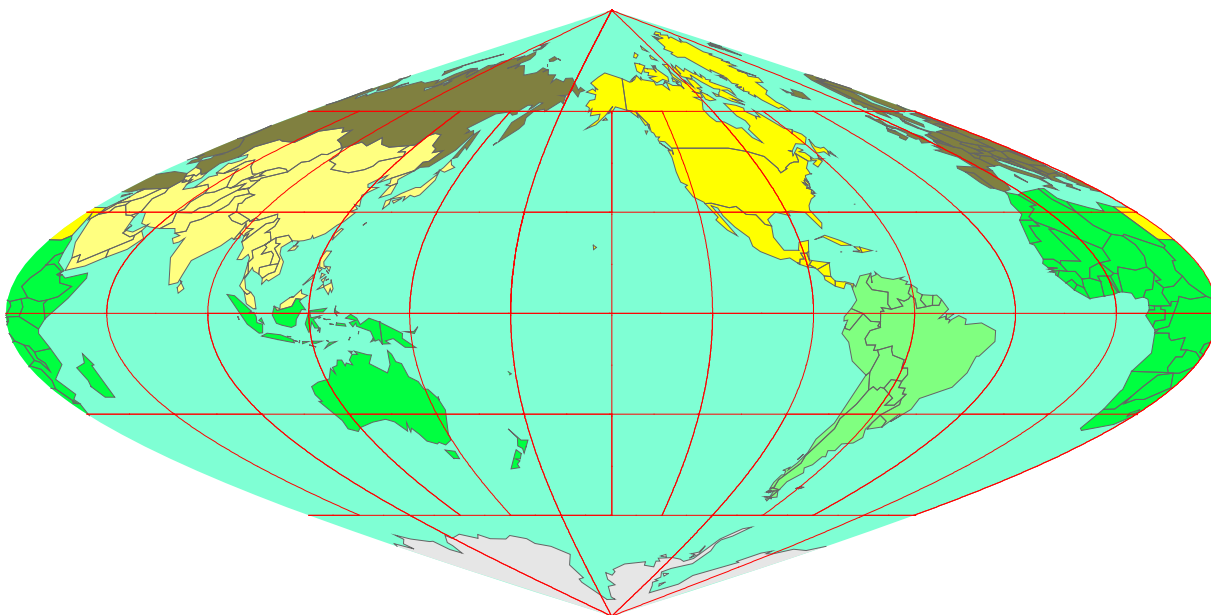
1. {7 N, 80 E}   2. {46 N, 6 E}   3. {19 N, 81 W}   4. {60 N, 25 E}  
5. {47 N, 29 E}   6. {29 S, 28 E}   7. {46 N, 74 W}   8. {17 N, 62 W}



2.

Mark the following 8 points in the map:

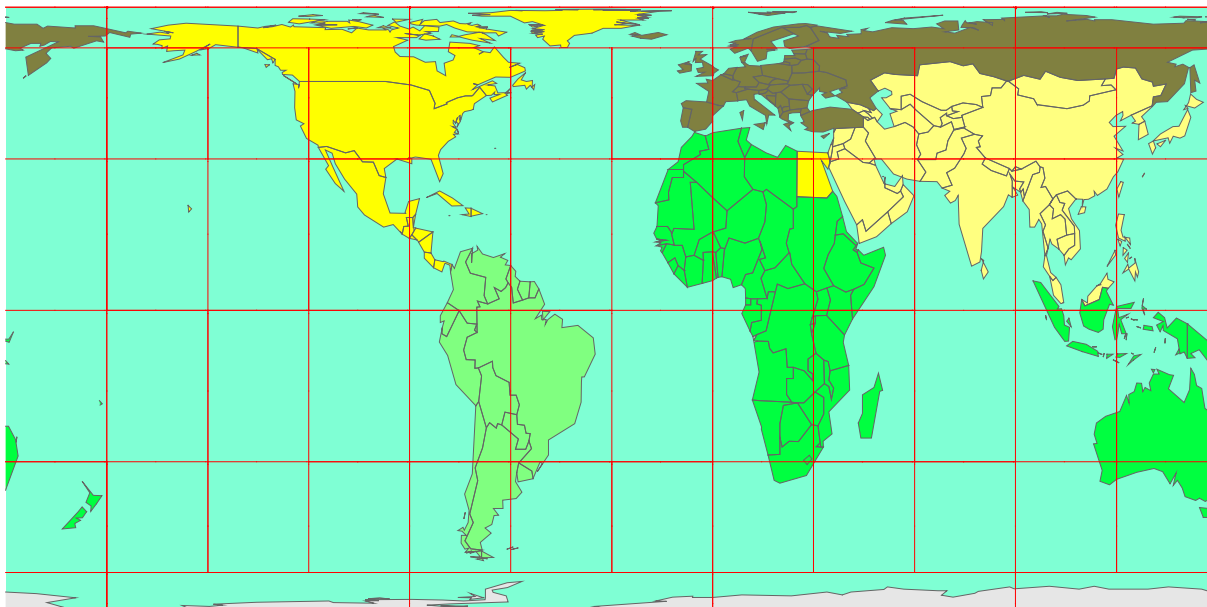
1. {43 N, 2 E}    2. {53 N, 6 W}    3. {18 S, 31 E}    4. {40 N, 4 W}  
5. {5 N, 73 E}    6. {13 N, 2 E}    7. {39 N, 126 E}    8. {18 S, 178 E}



3.

Mark the following 8 points in the map:

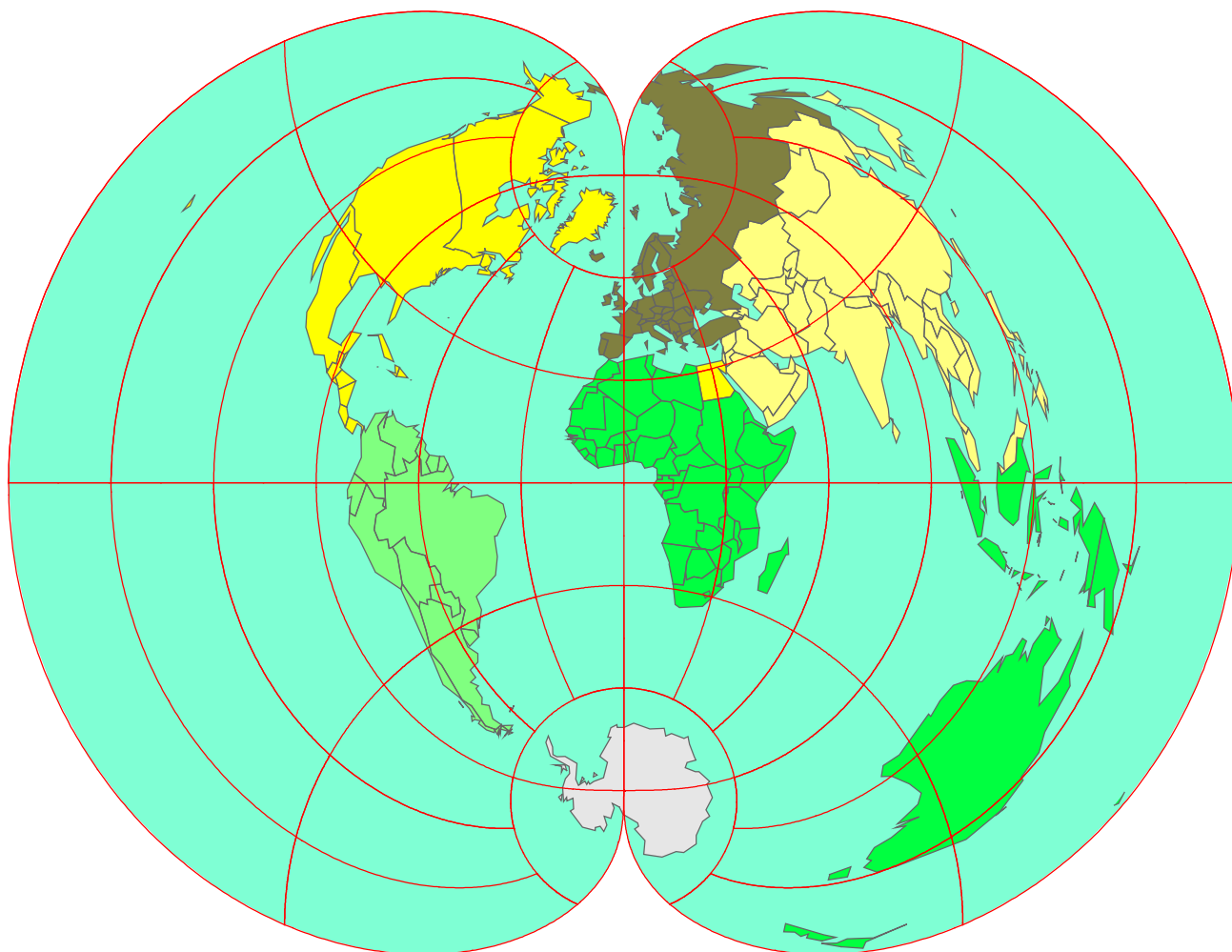
1. {22 N, 114 E}
2. {19 S, 48 E}
3. {34 N, 36 E}
4. {14 N, 61 W}
5. {16 S, 68 W}
6. {19 N, 99 W}
7. {42 N, 12 E}
8. {4 N, 12 E}



4.

Mark the following 8 points in the map:

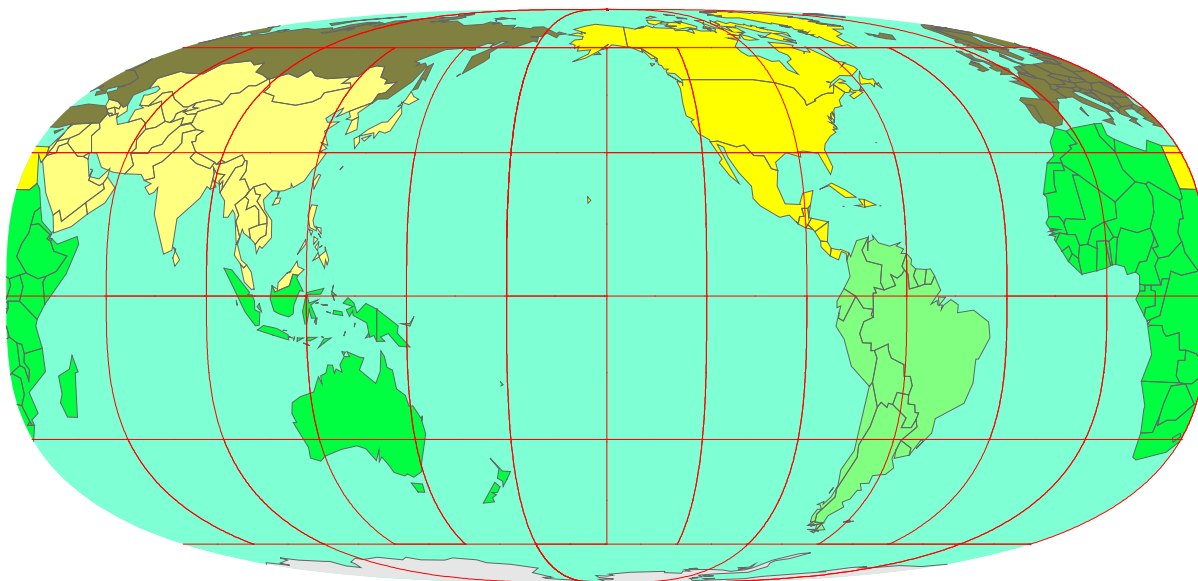
1. {14 S, 172 W}   2. {4 S, 15 E}   3. {35 S, 58 W}   4. {64 N, 52 W}  
5. {4 S, 15 E}   6. {26 N, 51 E}   7. {54 N, 28 E}   8. {40 N, 116 E}



5.

Mark the following 8 points in the map:

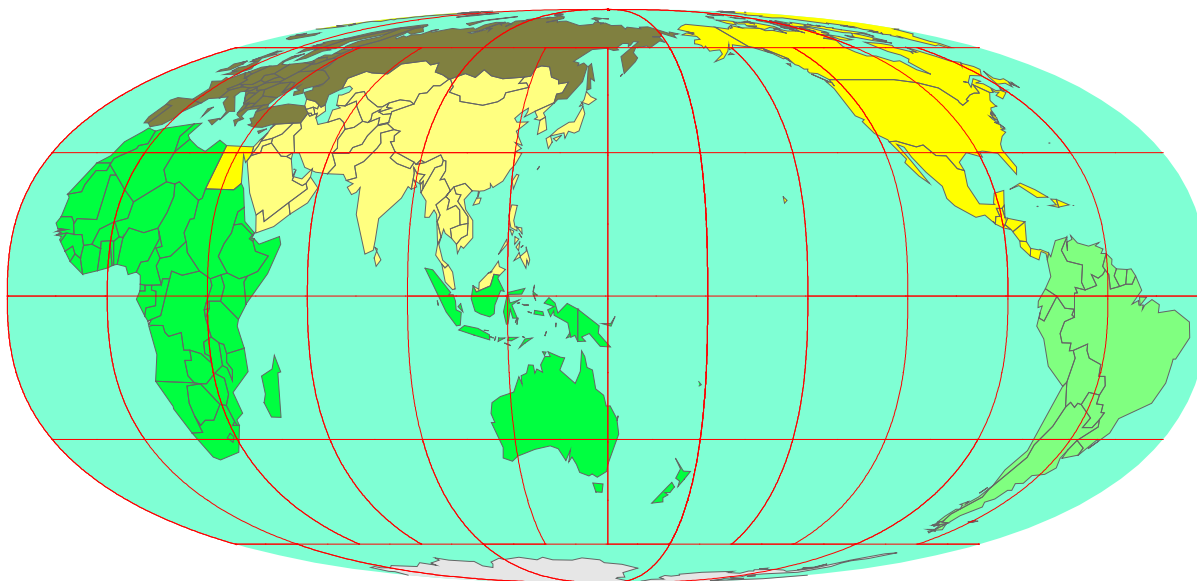
1. {16 N, 62 W}    2. {34 S, 18 E}    3. {24 N, 90 E}    4. {41 N, 29 E}  
5. {16 N, 33 E}    6. {7 N, 134 E}    7. {16 S, 68 W}    8. {9 S, 13 E}



6.

Mark the following 8 points in the map:

1. {45 N, 20 E}    2. {4 S, 15 E}    3. {2 S, 30 E}    4. {4 N, 9 E}  
5. {25 N, 77 W}    6. {23 S, 43 W}    7. {15 N, 61 W}    8. {18 N, 70 W}

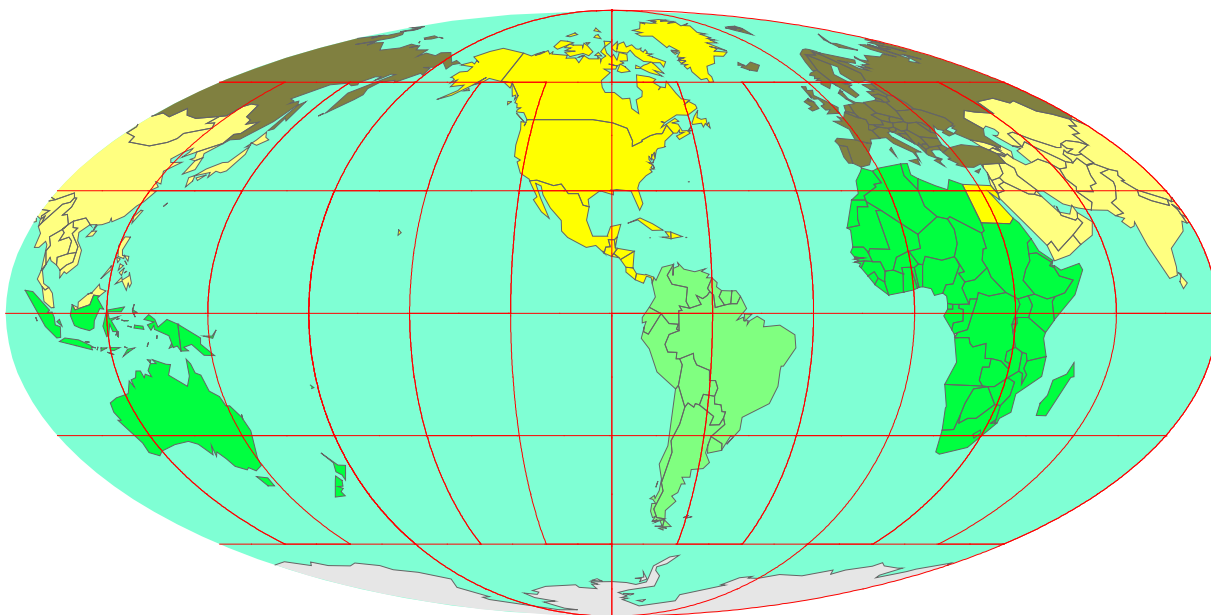




7.

Mark the following 8 points in the map:

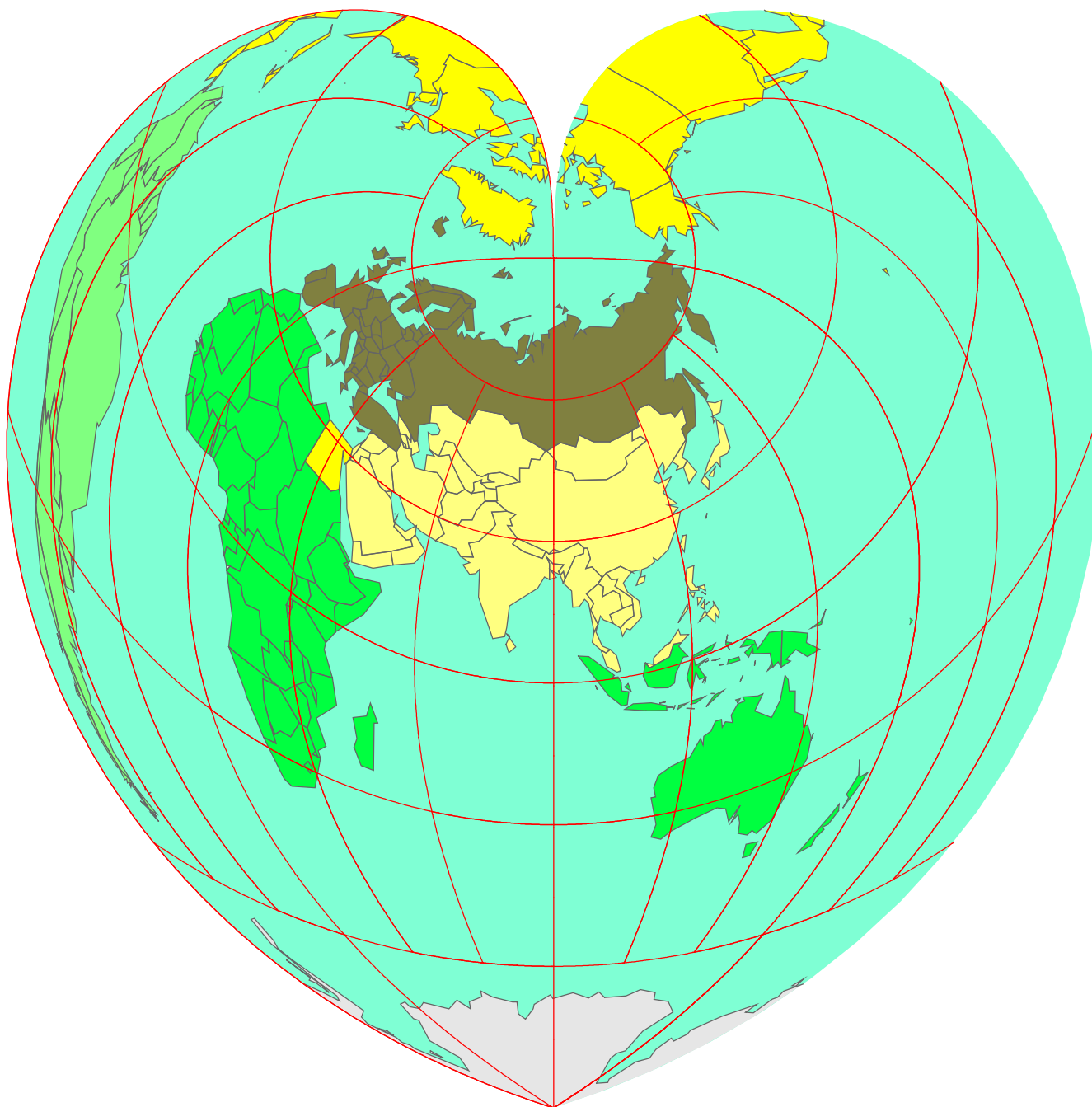
1. {36 N, 5 W}   2. {14 S, 172 W}   3. {3 S, 29 E}   4. {46 N, 74 W}  
5. {39 N, 126 E}   6. {39 N, 117 E}   7. {36 N, 140 E}   8. {5 S, 56 E}



8.

Mark the following 8 points in the map:

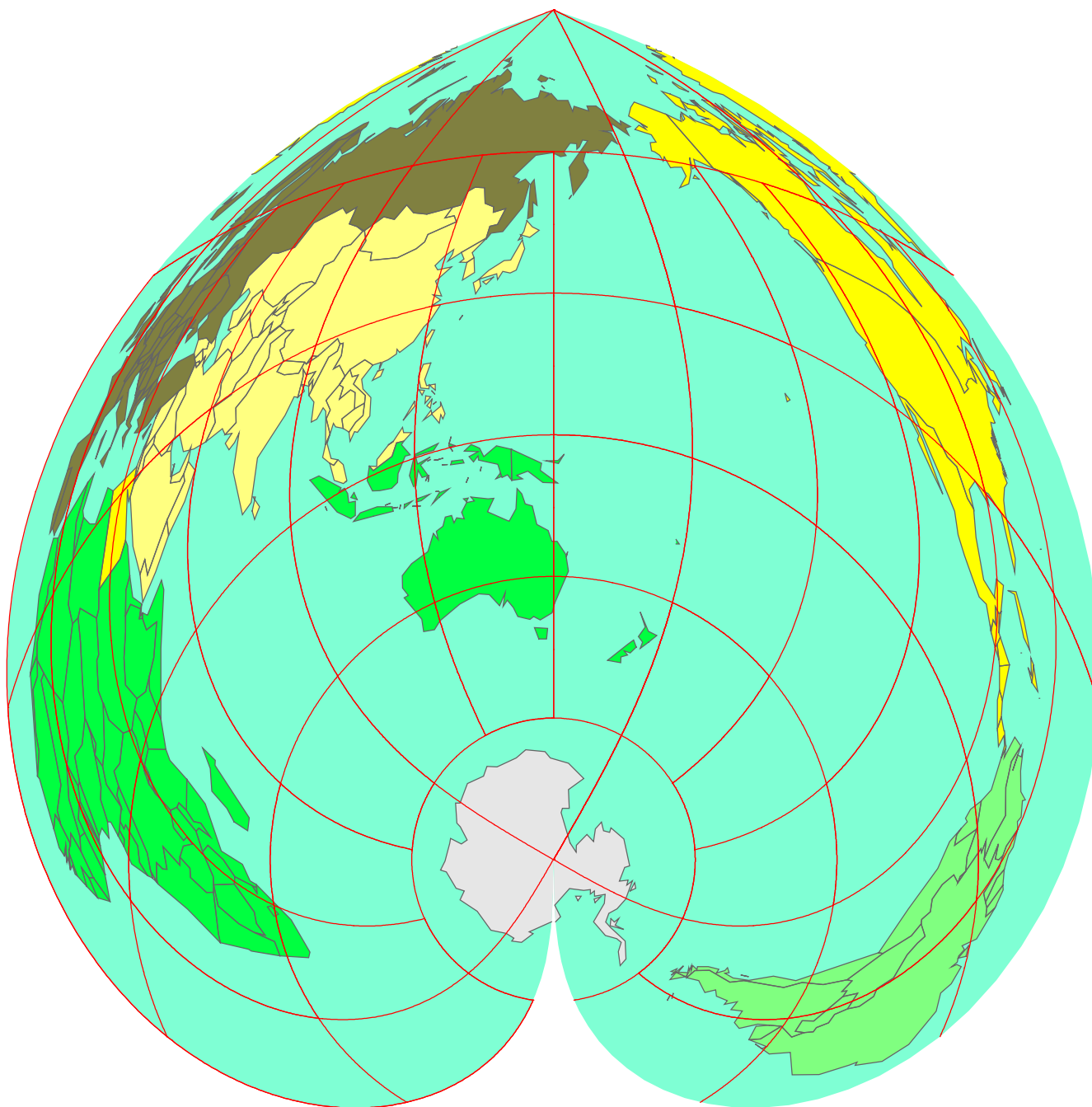
1. {35 S, 149 E}   2. {14 N, 61 W}   3. {53 N, 6 W}   4. {15 N, 61 W}  
5. {46 N, 6 E}   6. {21 N, 106 E}   7. {60 N, 25 E}   8. {17 N, 62 W}



9.

Mark the following 8 points in the map:

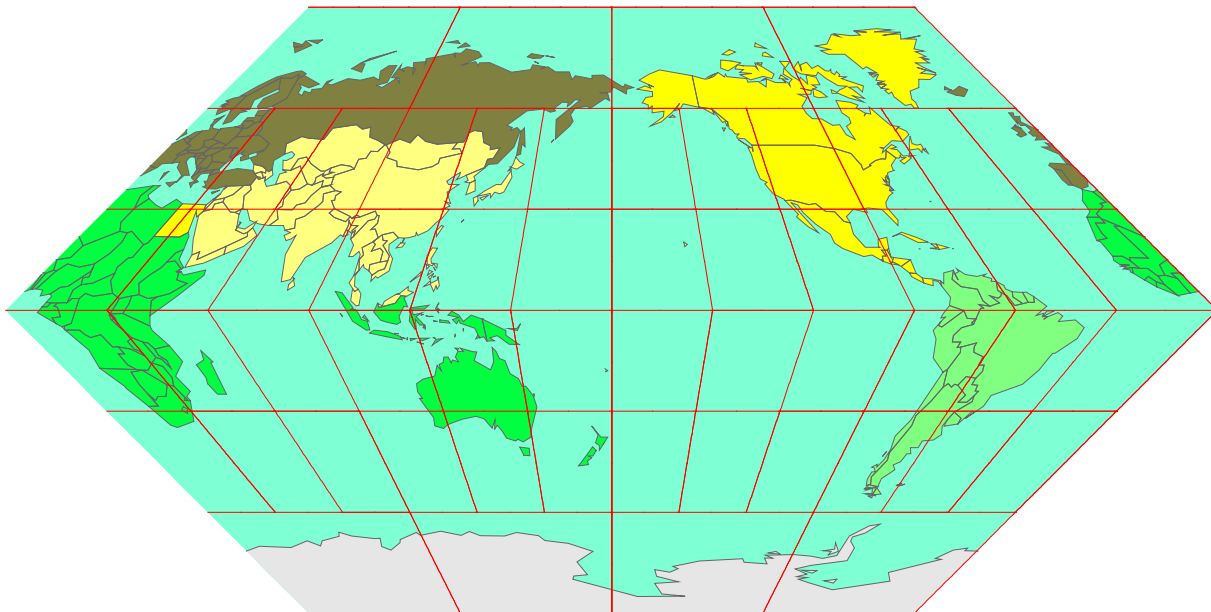
1. {44 N, 7 E}    2. {16 N, 62 W}    3. {53 N, 6 W}    4. {3 N, 102 E}  
5. {9 S, 13 E}    6. {23 N, 59 E}    7. {9 S, 172 W}    8. {64 N, 22 W}



10.

Mark the following 8 points in the map:

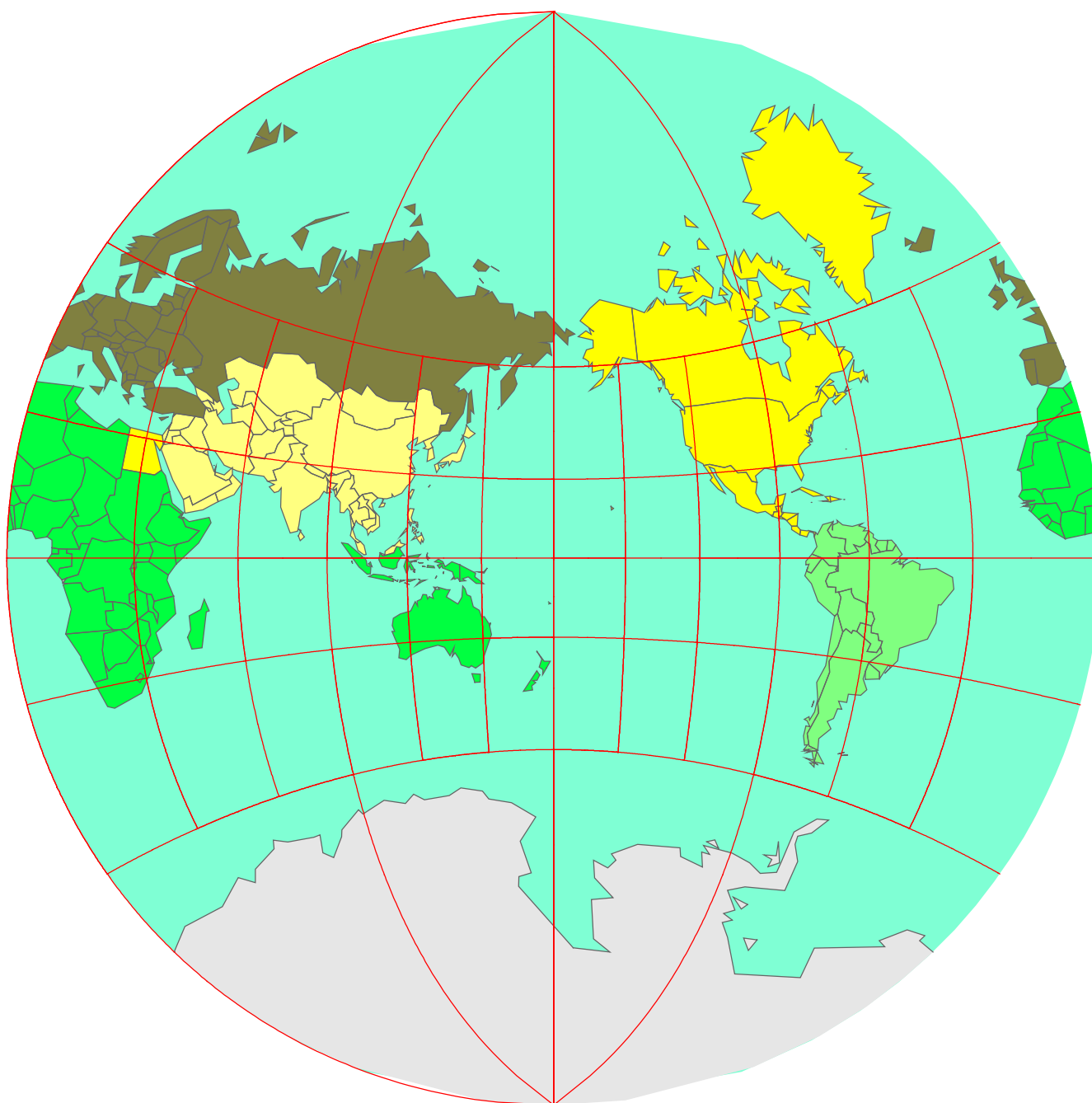
1. {4 S, 15 E}
2. {7 N, 80 E}
3. {25 N, 67 E}
4. {26 S, 28 E}
5. {44 N, 12 E}
6. {59 N, 25 E}
7. {33 N, 13 E}
8. {13 N, 145 E}



11.

Mark the following 8 points in the map:

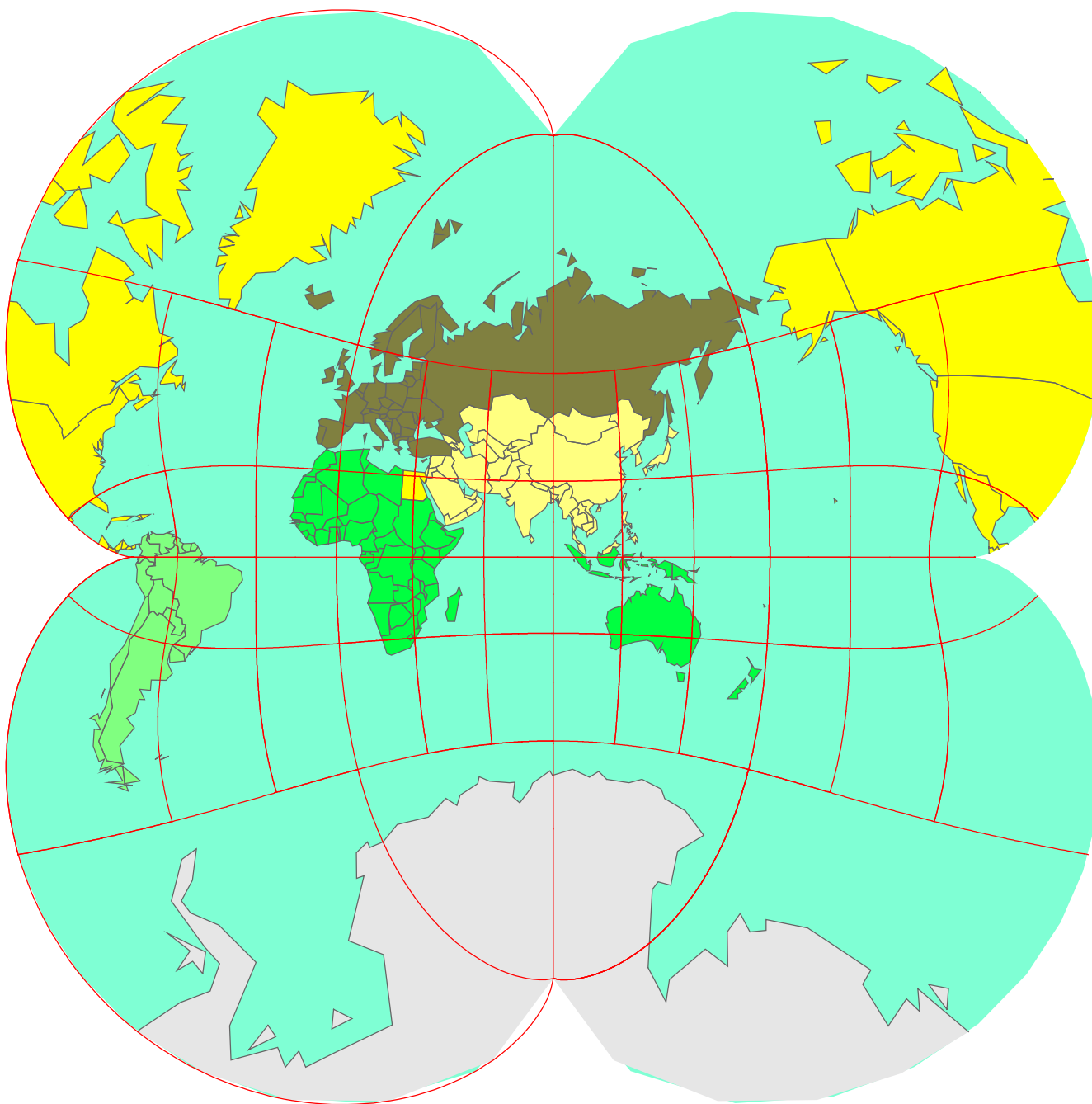
1. {34 N, 36 E}
2. {64 N, 52 W}
3. {4 S, 15 E}
4. {12 N, 86 W}
5. {35 S, 56 W}
6. {11 N, 62 W}
7. {42 N, 22 E}
8. {34 S, 151 E}



12.

Mark the following 8 points in the map:

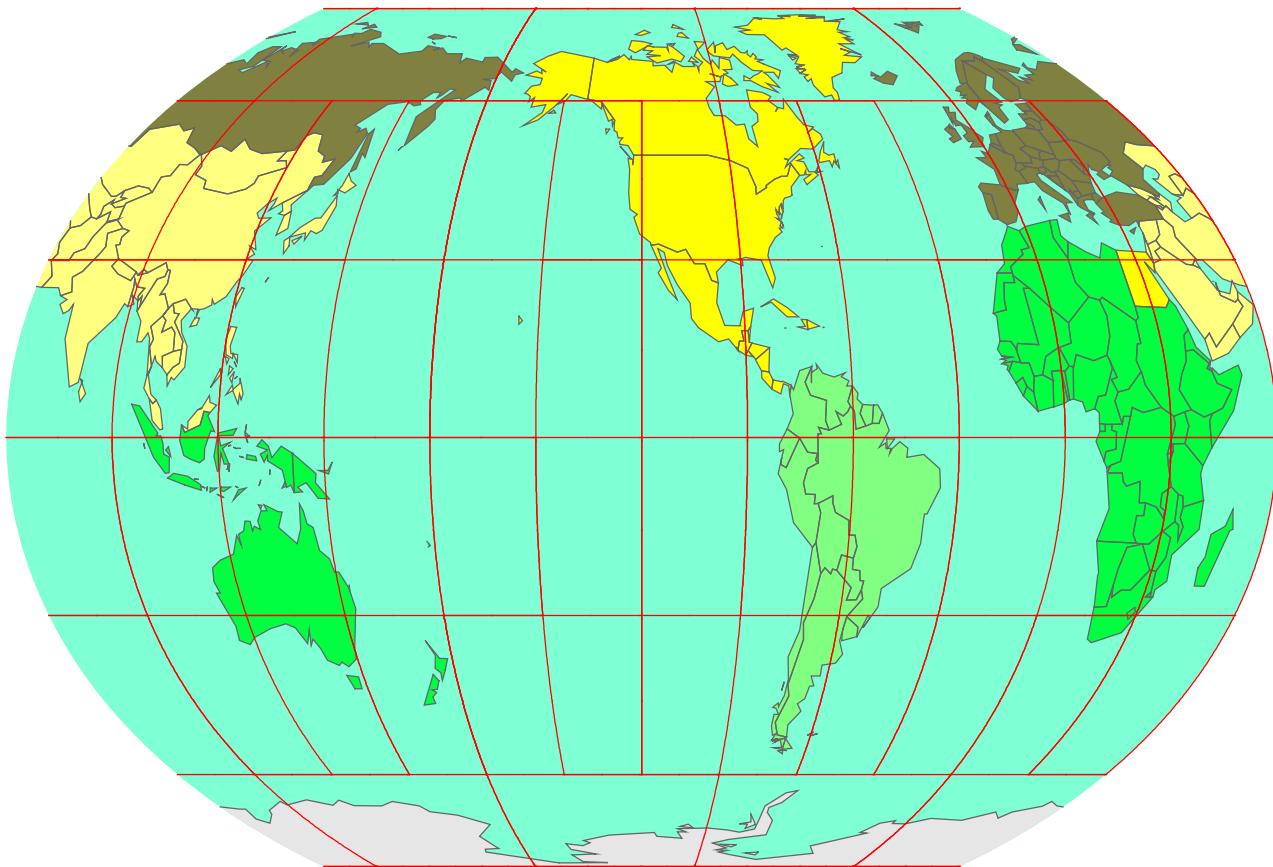
1. {14 N, 100 E}
2. {13 N, 60 W}
3. {9 N, 14 W}
4. {56 N, 3 W}
5. {60 N, 11 E}
6. {40 N, 116 E}
7. {42 N, 12 E}
8. {28 N, 90 E}



13.

Mark the following 8 points in the map:

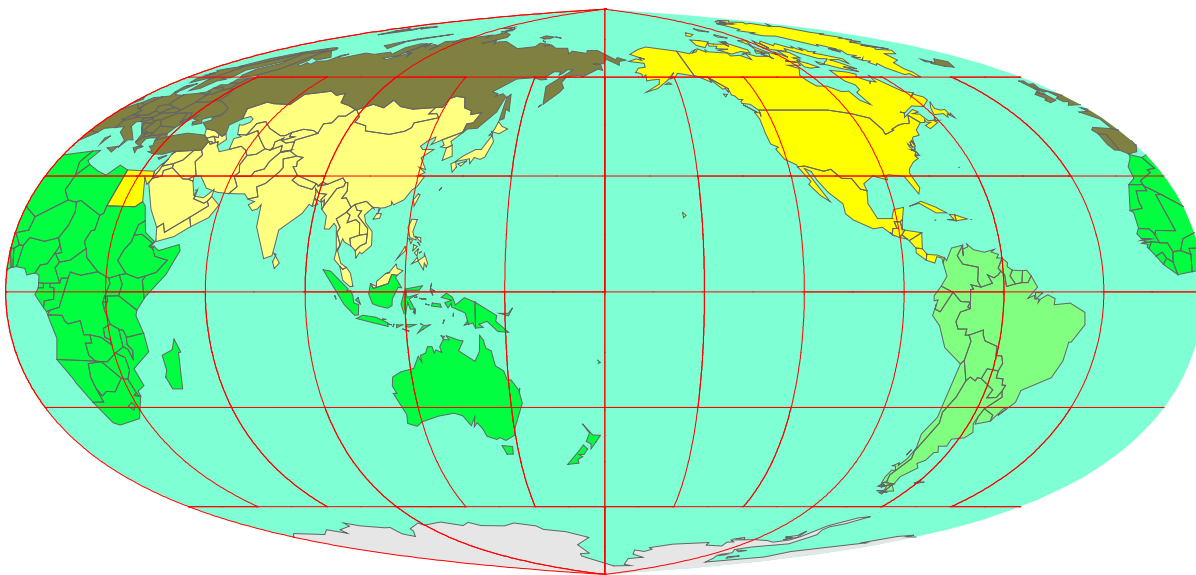
1. {34 N, 36 E}
2. {9 S, 13 E}
3. {60 N, 11 E}
4. {9 S, 147 E}
5. {10 N, 84 W}
6. {34 S, 151 E}
7. {41 N, 69 E}
8. {52 N, 21 E}



14.

Mark the following 8 points in the map:

1. {36 N, 5 W}    2. {15 N, 39 E}    3. {35 S, 149 E}    4. {15 N, 17 W}  
5. {46 N, 6 E}    6. {12 N, 86 W}    7. {56 N, 38 E}    8. {31 N, 122 E}

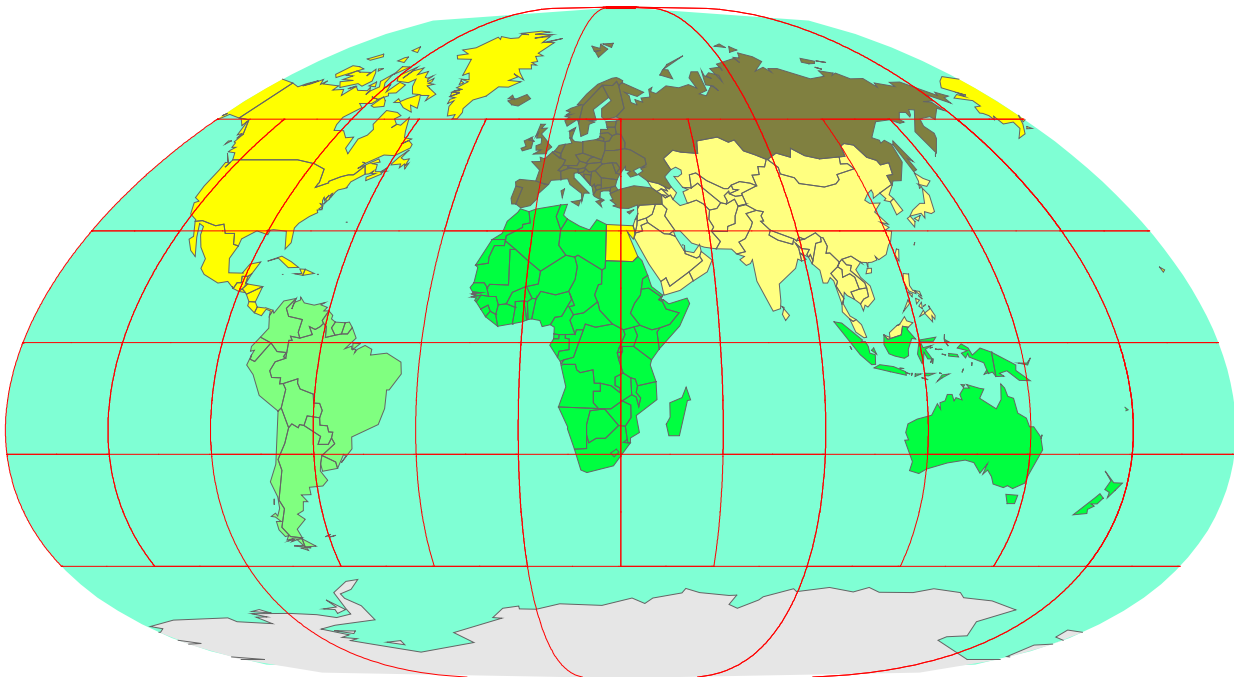




15.

Mark the following 8 points in the map:

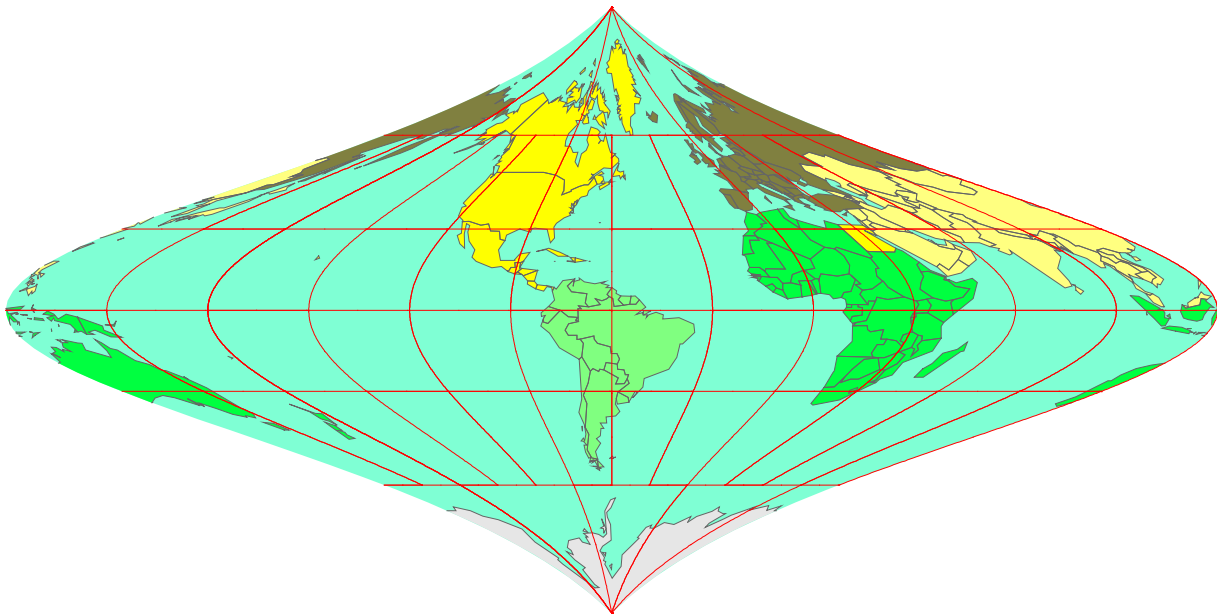
1. {36 N, 5 W}
2. {40 N, 116 E}
3. {3 S, 29 E}
4. {7 N, 134 E}
5. {23 S, 43 W}
6. {10 N, 84 W}
7. {38 N, 127 E}
8. {34 S, 151 E}



16.

Mark the following 8 points in the map:

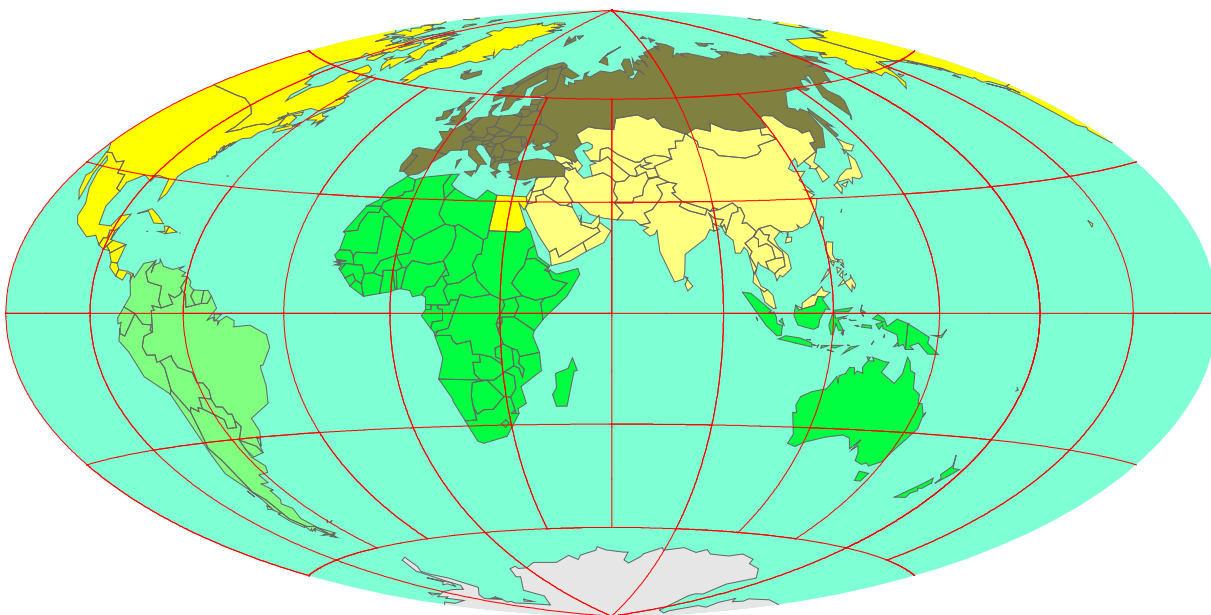
1. {40 N, 33 E}    2. {33 N, 44 E}    3. {15 N, 17 W}    4. {27 N, 13 W}  
5. {16 N, 33 E}    6. {15 N, 121 E}    7. {6 N, 3 E}    8. {52 S, 60 W}



17.

Mark the following 8 points in the map:

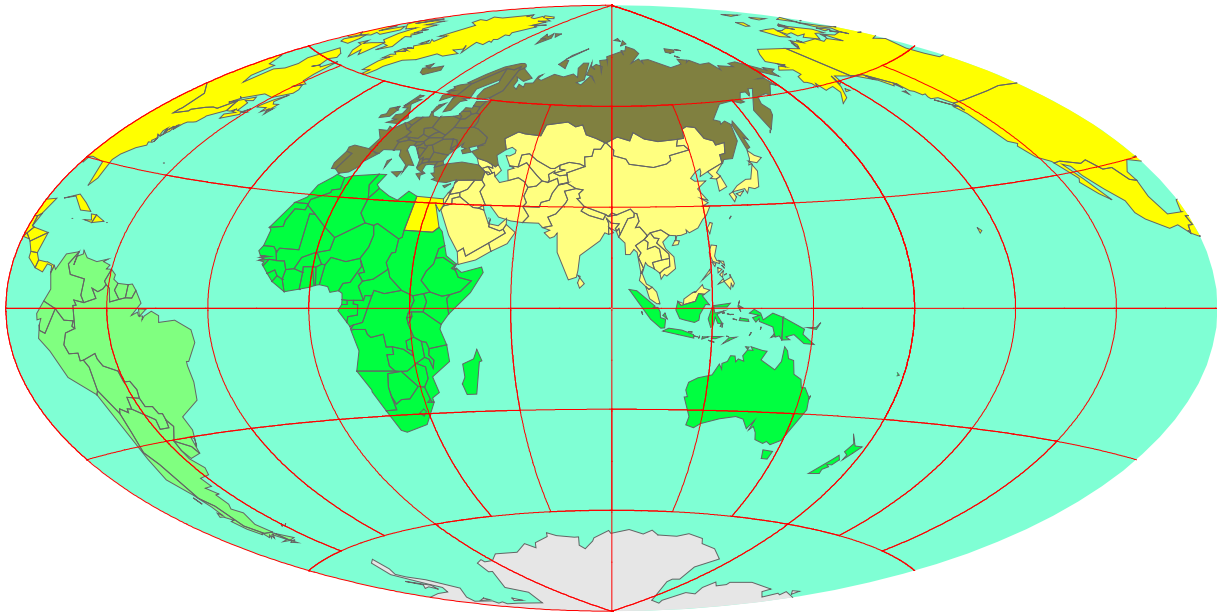
1. {14 N, 100 E}    2. {48 N, 19 E}    3. {4 S, 15 E}    4. {12 N, 86 W}  
5. {15 N, 121 E}    6. {35 N, 136 E}    7. {60 N, 11 E}    8. {20 S, 57 E}



18.

Mark the following 8 points in the map:

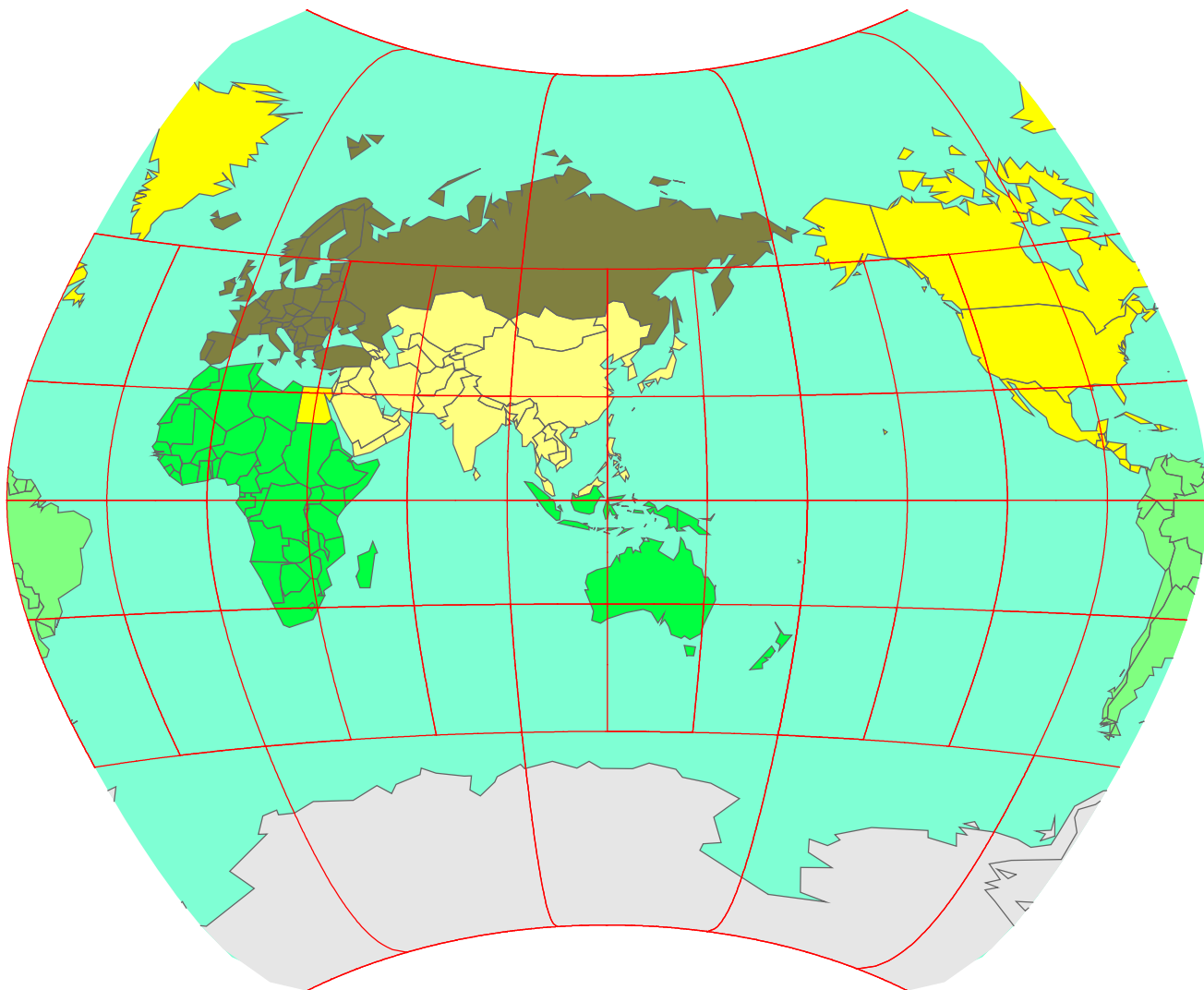
1. {24 N, 54 E}    2. {10 N, 67 W}    3. {56 N, 13 E}    4. {12 N, 43 E}  
5. {9 S, 160 E}    6. {46 N, 15 E}    7. {57 N, 24 E}    8. {44 N, 12 E}



19.

Mark the following 8 points in the map:

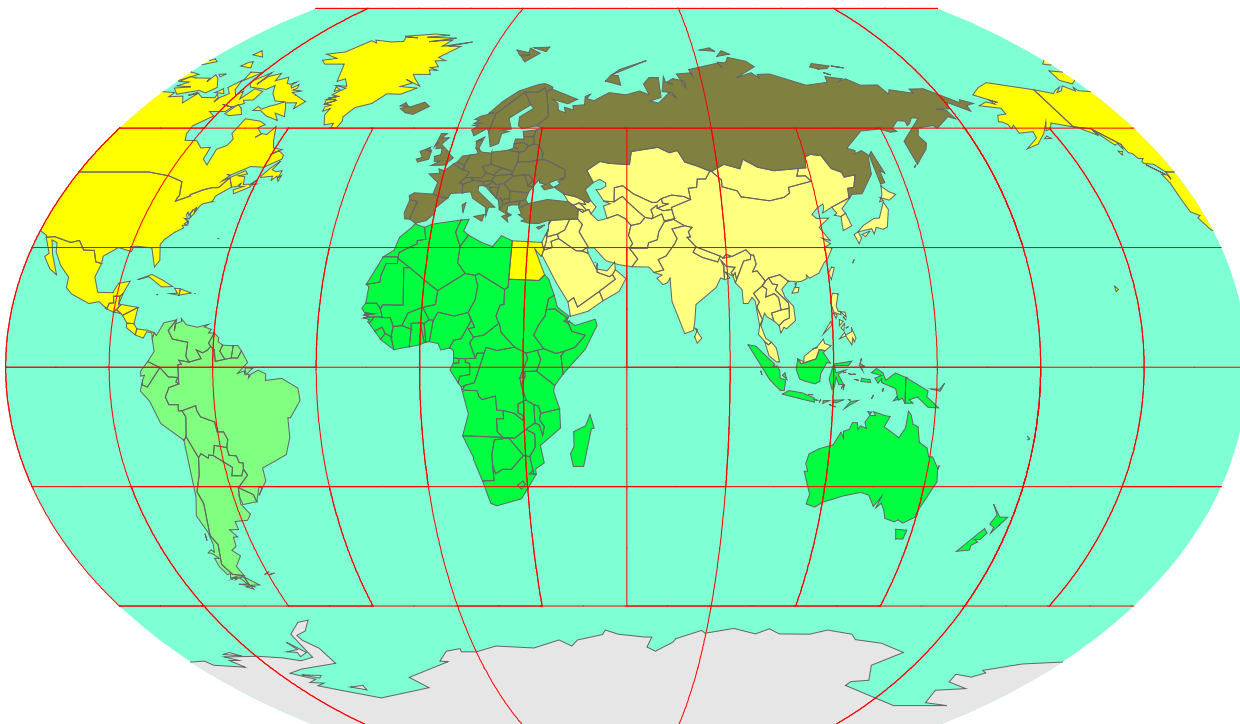
1. {36 N, 5 W}   2. {40 N, 50 E}   3. {4 N, 19 E}   4. {34 S, 18 E}  
5. {25 N, 52 E}   6. {1 S, 166 E}   7. {33 N, 64 E}   8. {60 N, 25 E}



20.

Mark the following 8 points in the map:

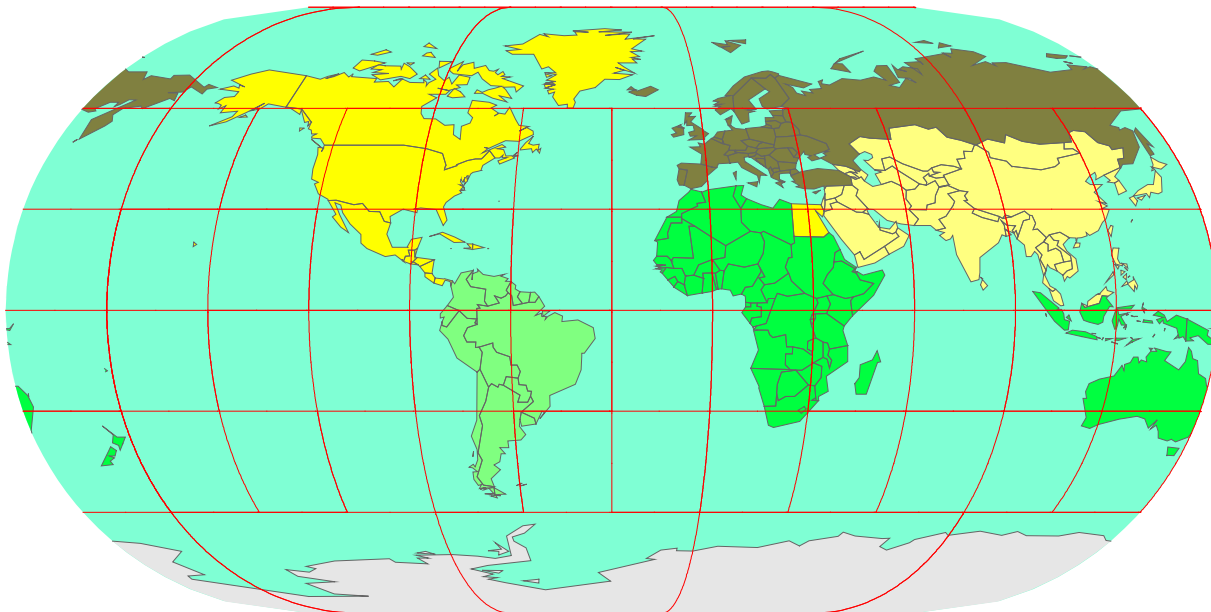
1. {44 N, 26 E}
2. {25 S, 26 E}
3. {0 S, 32 E}
4. {18 N, 77 W}
5. {39 N, 9 W}
6. {0 S, 78 W}
7. {33 S, 71 W}
8. {41 N, 69 E}



21.

Mark the following 8 points in the map:

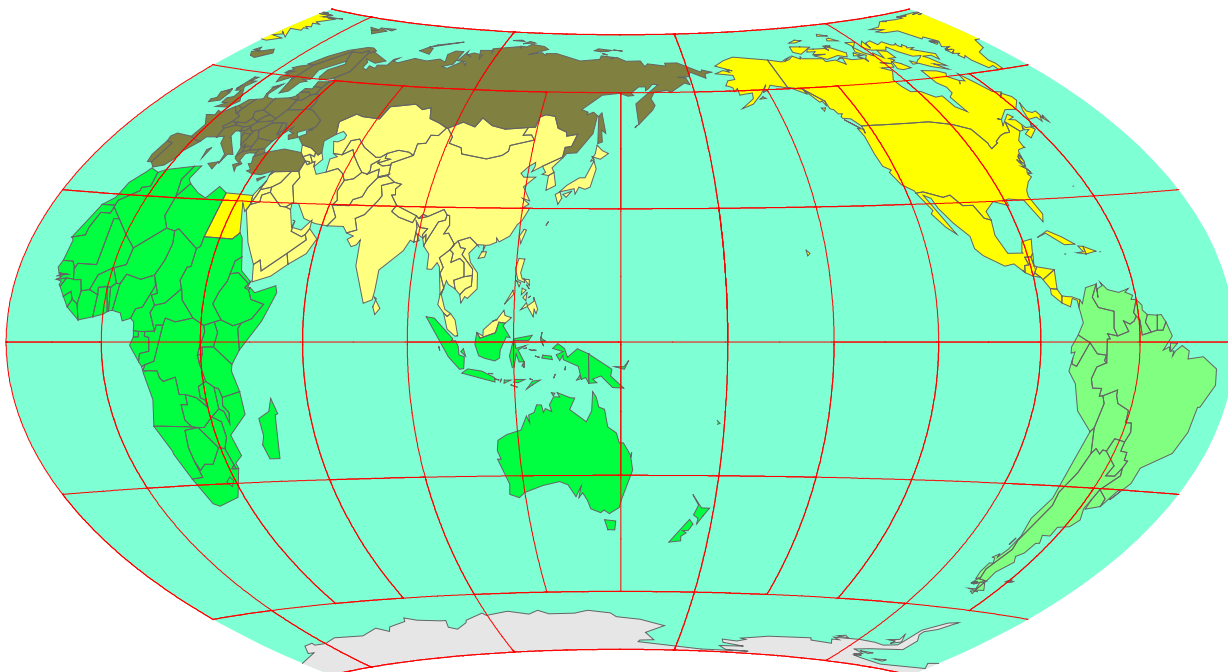
1. {17 N, 63 W}
2. {15 N, 90 W}
3. {6 N, 1 E}
4. {9 S, 13 E}
5. {13 N, 2 E}
6. {45 N, 76 W}
7. {41 N, 20 E}
8. {36 N, 15 E}



22.

Mark the following 8 points in the map:

1. {33 N, 44 E}
2. {47 N, 8 E}
3. {4 S, 15 E}
4. {5 N, 52 W}
5. {1 S, 166 E}
6. {12 N, 86 W}
7. {19 S, 168 E}
8. {39 N, 126 E}

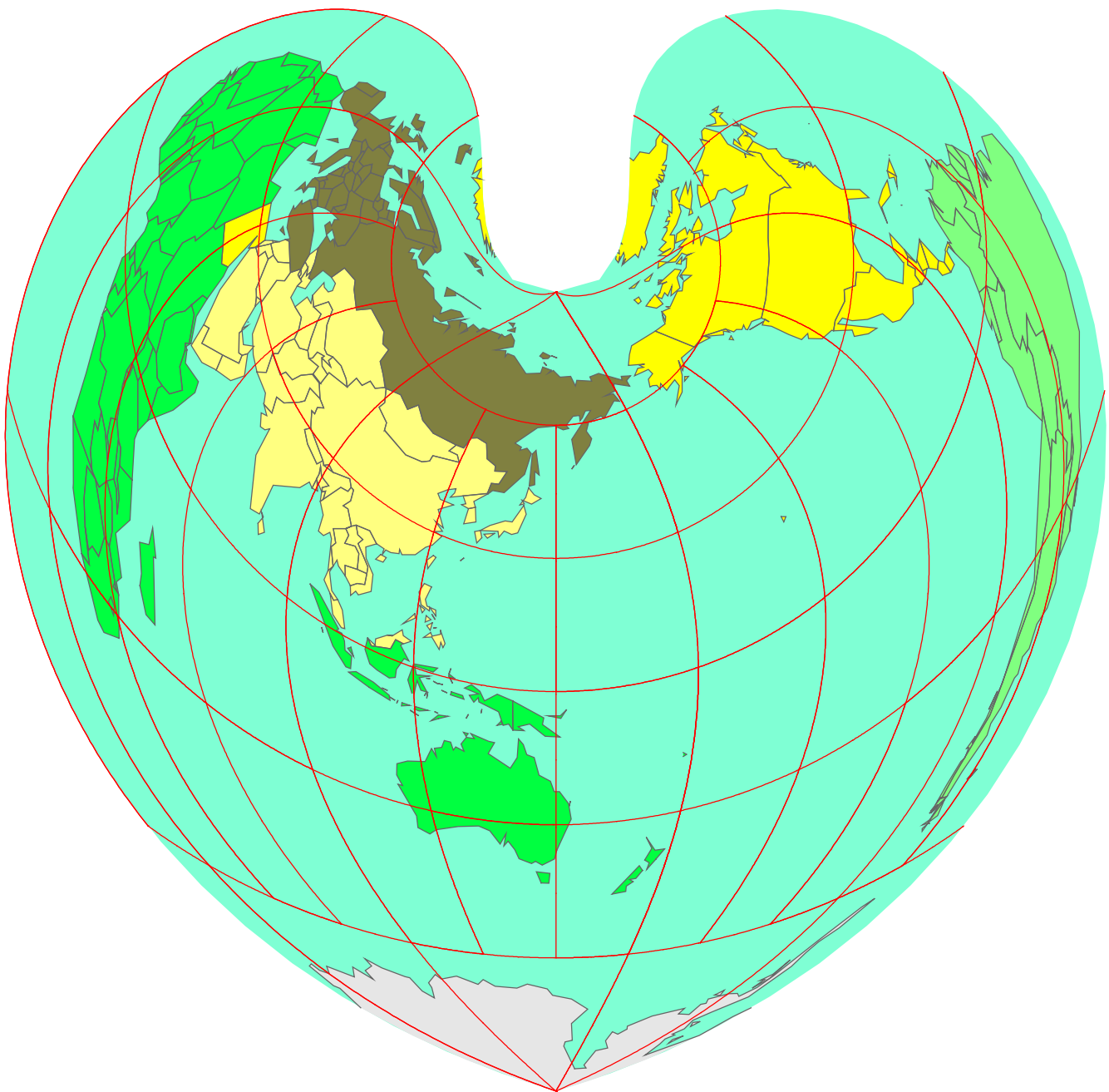




23.

Mark the following 8 points in the map:

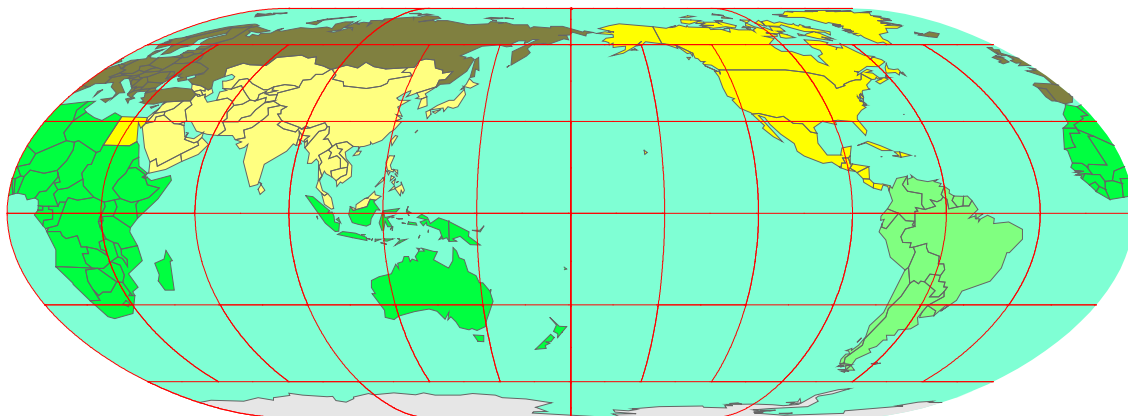
1. {40 N, 116 E}
2. {9 S, 160 E}
3. {12 S, 44 W}
4. {40 N, 116 E}
5. {0 S, 7 E}
6. {44 N, 18 E}
7. {18 S, 178 E}
8. {41 N, 20 E}



24.

Mark the following 8 points in the map:

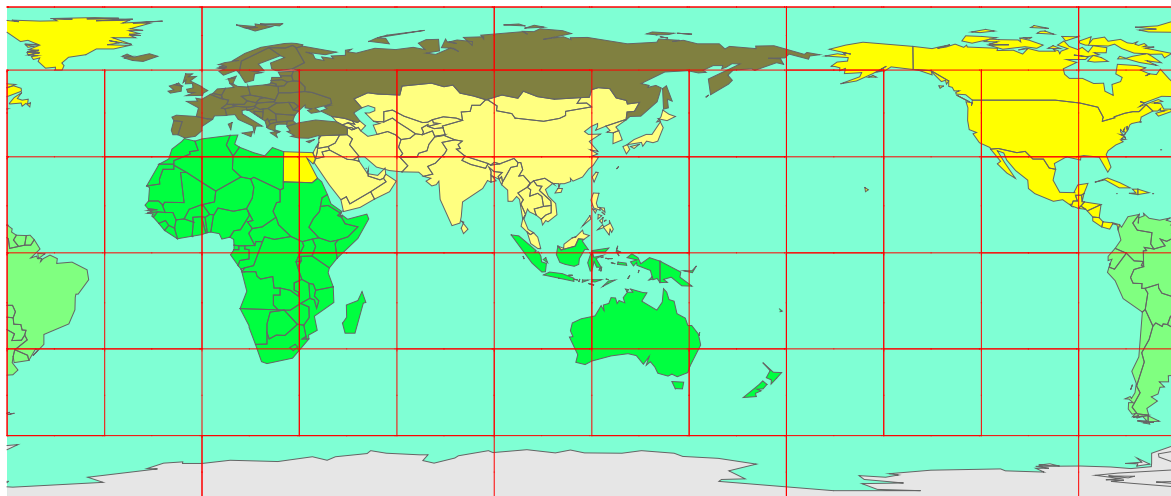
1. {5 N, 115 E}
2. {16 N, 62 W}
3. {34 N, 36 E}
4. {46 N, 6 E}
5. {19 N, 81 W}
6. {2 S, 30 E}
7. {46 N, 74 W}
8. {52 S, 60 W}



25.

Mark the following 8 points in the map:

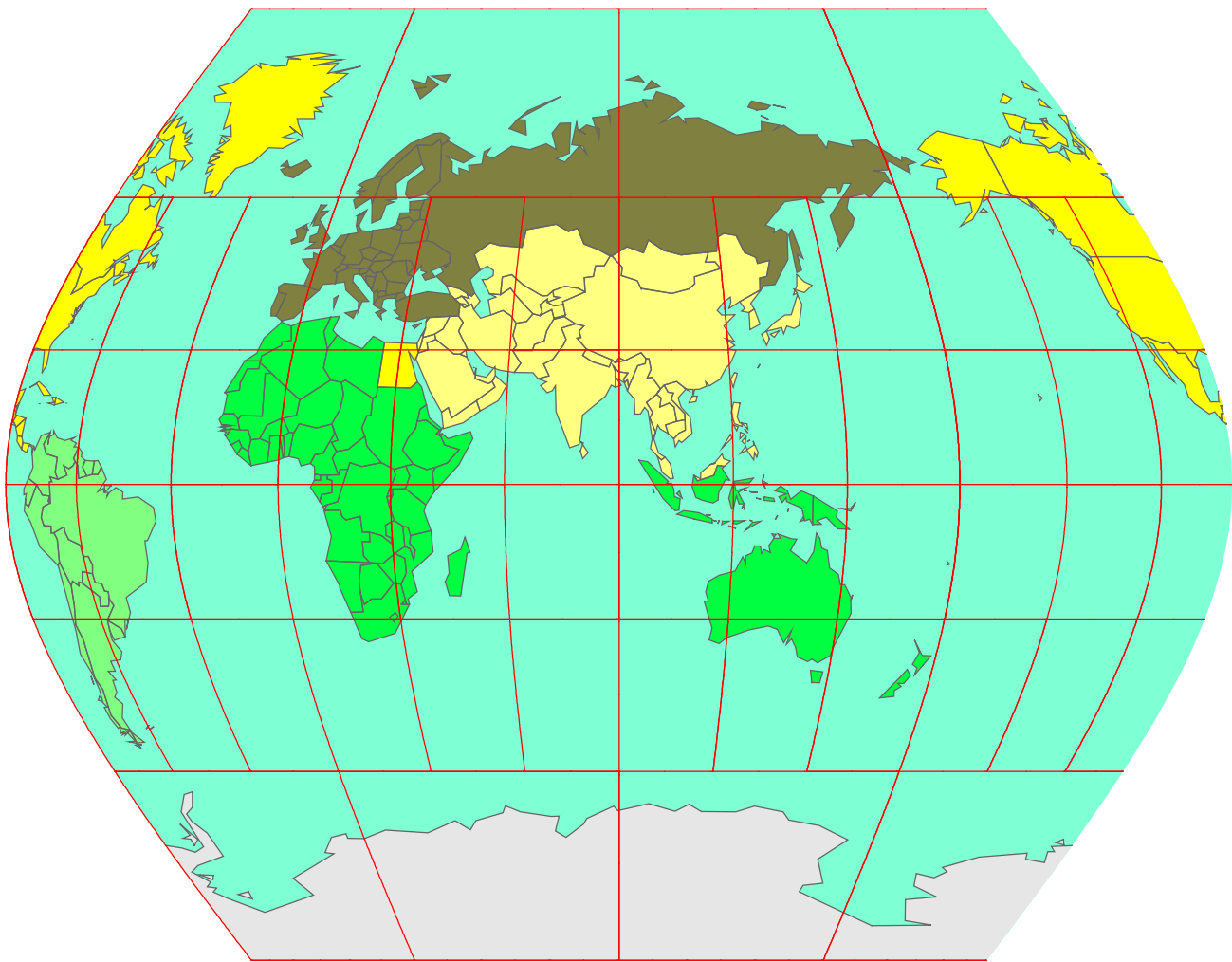
1. {14 N, 61 W}    2. {9 S, 13 E}    3. {50 N, 6 E}    4. {35 S, 56 W}  
5. {35 N, 33 E}    6. {57 N, 24 E}    7. {2 N, 172 E}    8. {36 N, 15 E}



26.

Mark the following 8 points in the map:

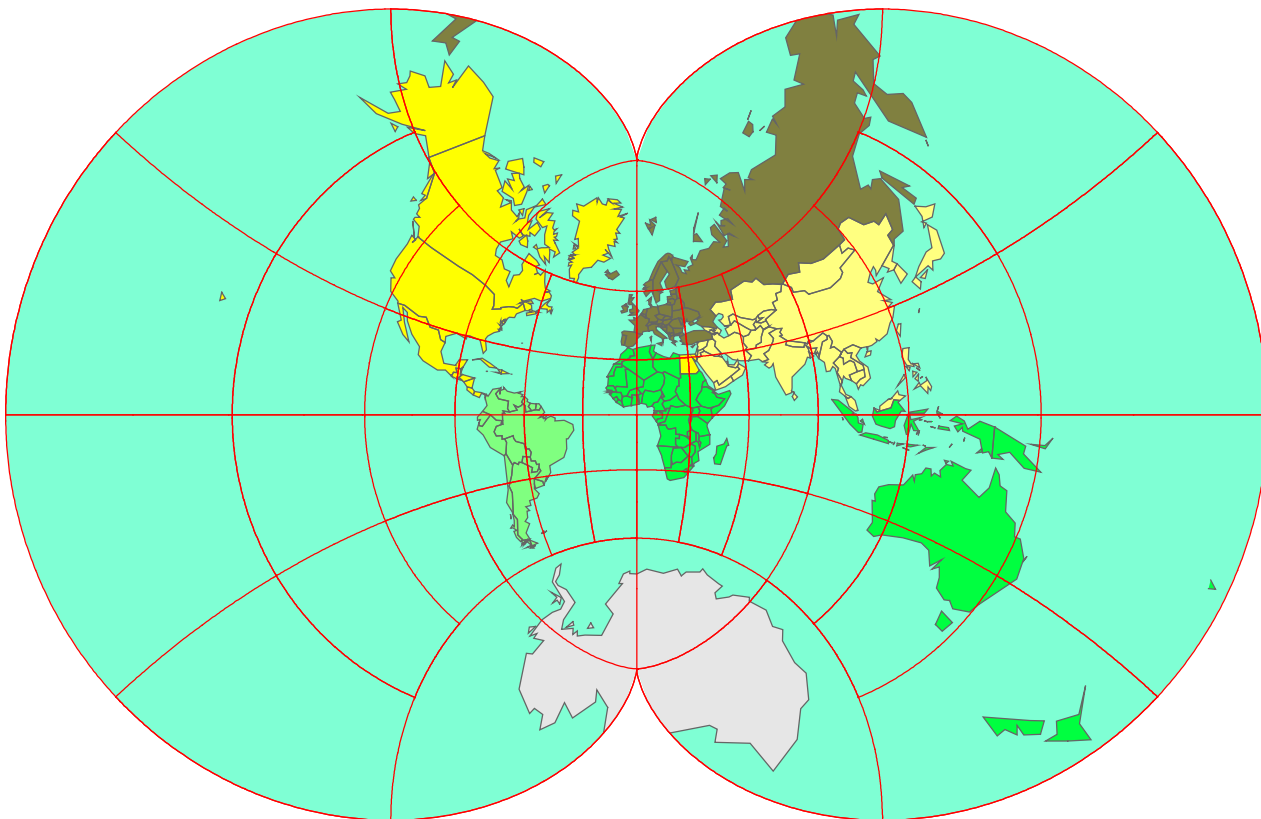
1. {47 N, 8 E}
2. {25 S, 26 E}
3. {14 N, 34 E}
4. {35 S, 56 W}
5. {50 N, 14 E}
6. {52 S, 60 W}
7. {59 N, 18 E}
8. {33 N, 13 E}



27.

Mark the following 8 points in the map:

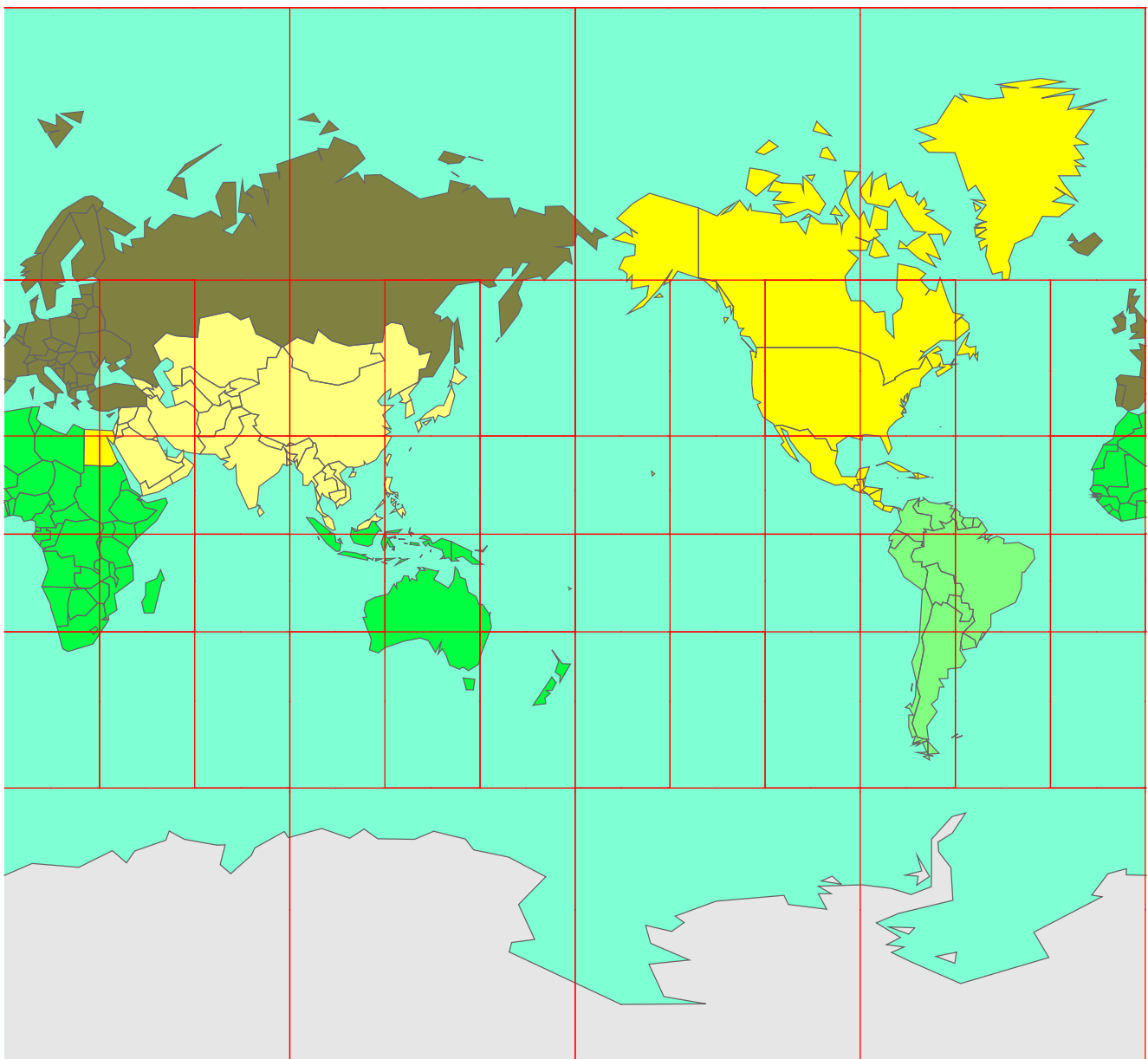
1. {38 N, 24 E}    2. {1 S, 166 E}    3. {64 N, 52 W}    4. {13 N, 61 W}  
5. {7 N, 134 E}    6. {25 N, 77 W}    7. {14 S, 171 W}    8. {6 N, 55 W}



28.

Mark the following 8 points in the map:

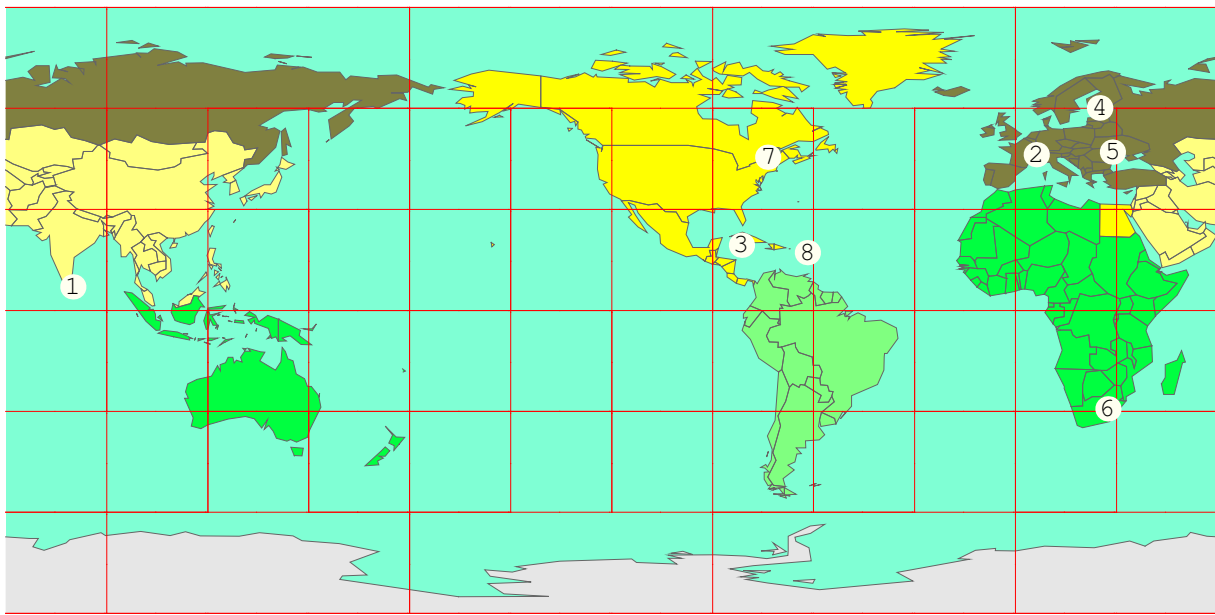
1. {37 N, 3 E}   2. {4 N, 19 E}   3. {47 N, 8 E}   4. {5 N, 74 W}  
5. {6 N, 3 E}   6. {12 N, 2 W}   7. {0 S, 78 W}   8. {59 N, 25 E}



# Solutions

1.

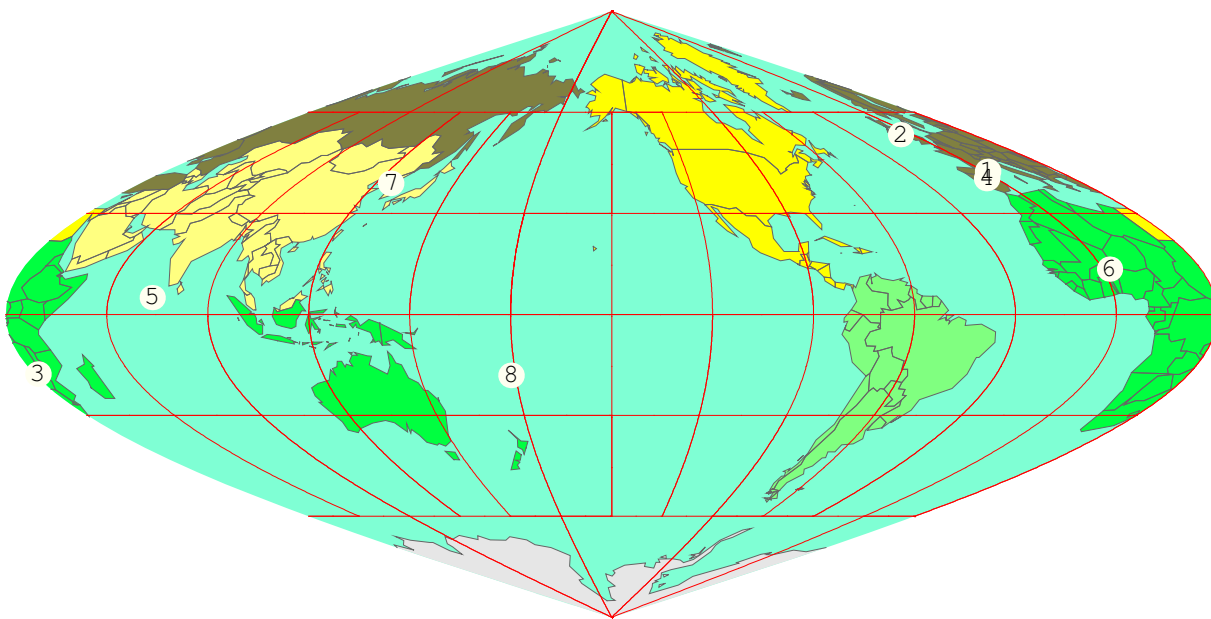
- 1. Colombo
- 2. Geneva
- 3. Georgetown
- 4. Helsinki
- 5. Kishinev
- 6. Maseru
- 7. Montreal
- 8. St. John's





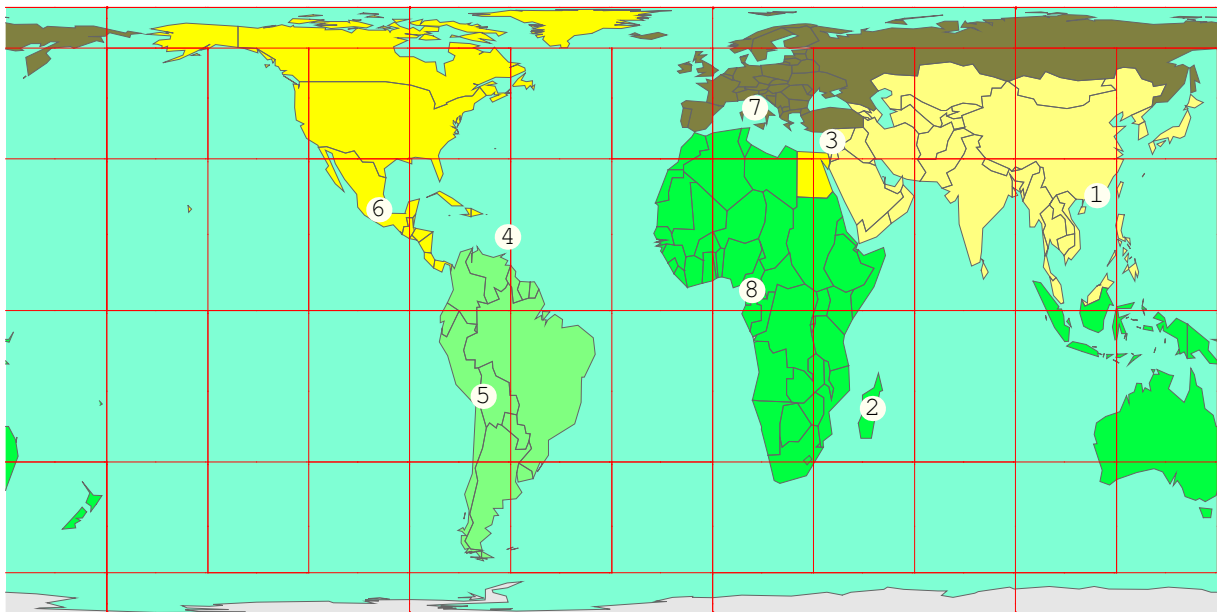
2.

1. Andorre-la-Vella 2. Dublin 3. Harare 4. Madrid  
5. Male 6. Niamey 7. Pyongyang 8. Suva



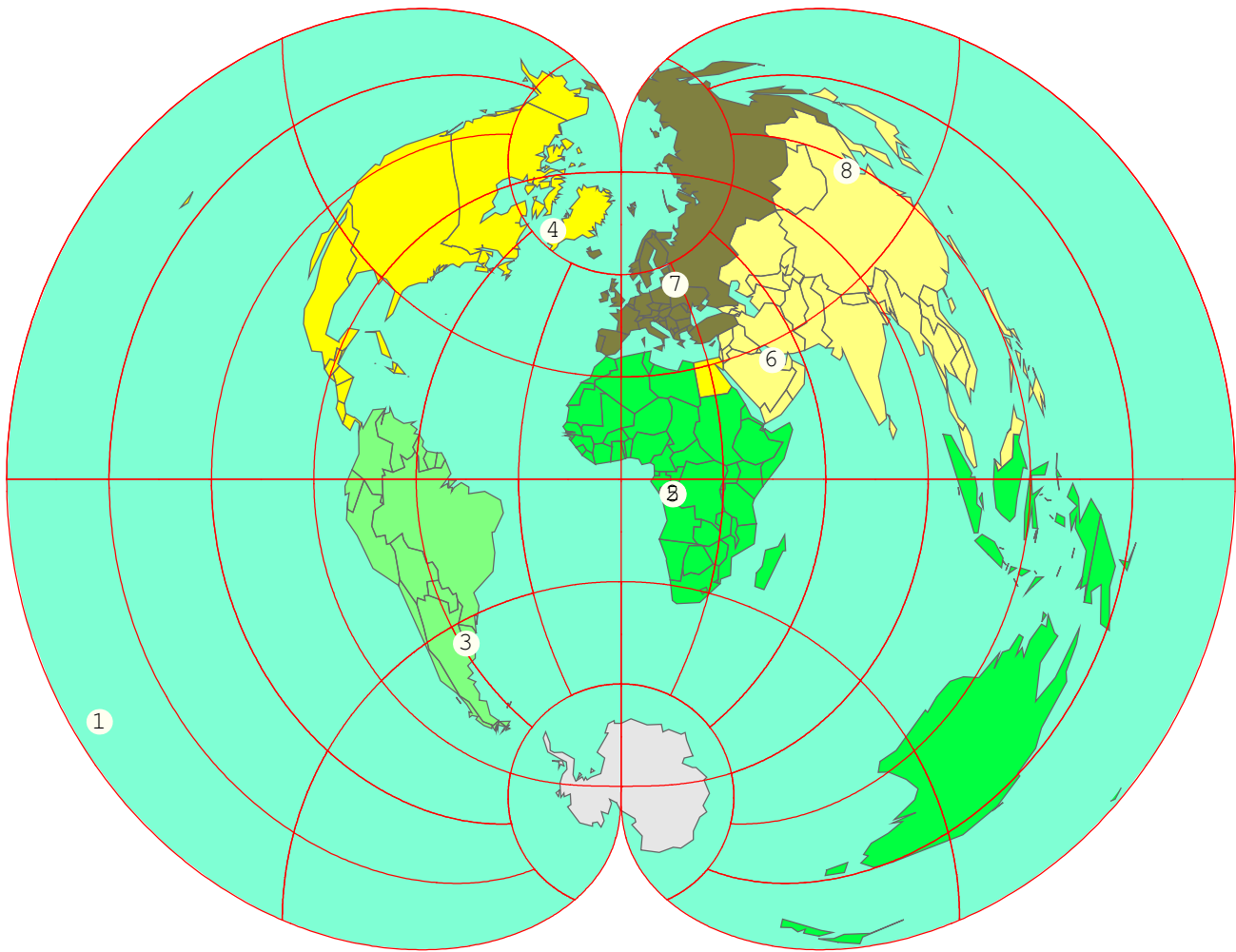
3.

, -30}, {-68, -9}}}, {{Mexico City, Mexico}, {{19, 24}, {-99, -9}}}, {{Rome, Italy}, {{41, 53}, {12,



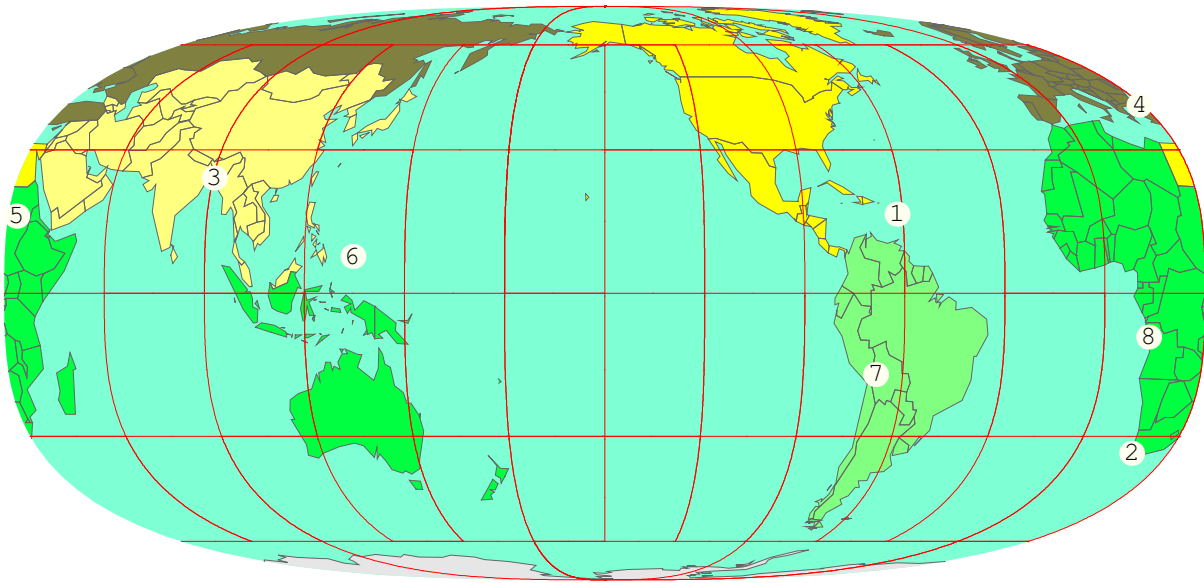
4.

1. Apia 2. Brazzaville 3. Buenos Aires 4. Godthab  
5. Kinshasa 6. Manama 7. Minsk 8. Peking



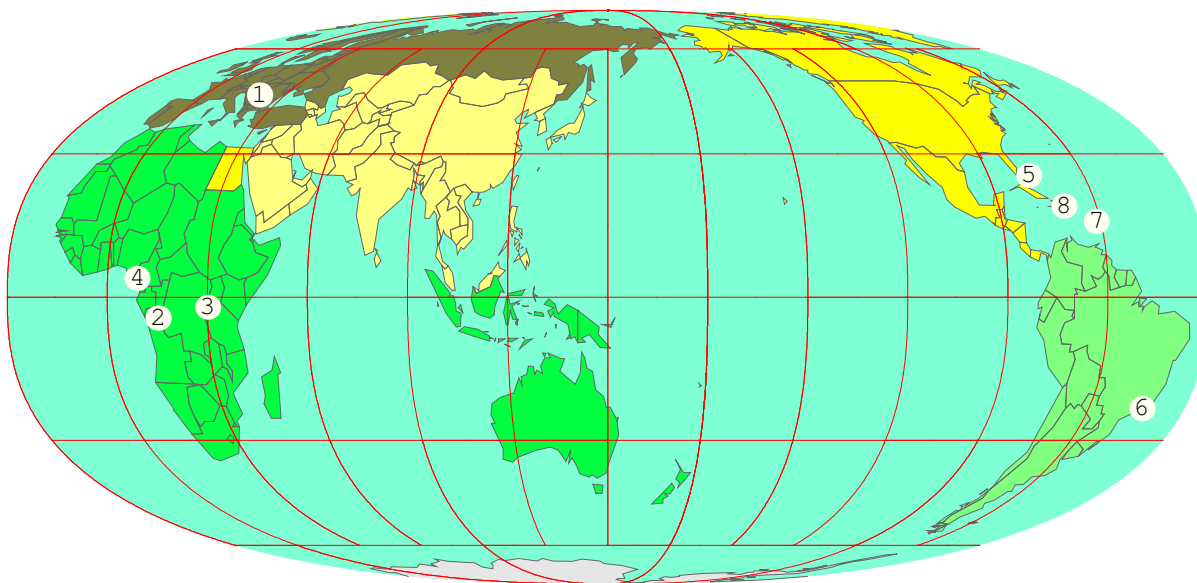
5.

- 1. Basse-Terre 2. Cape Town 3. Dacca 4. Istanbul
- 5. Khartoum 6. Koror 7. La Paz 8. Luanda



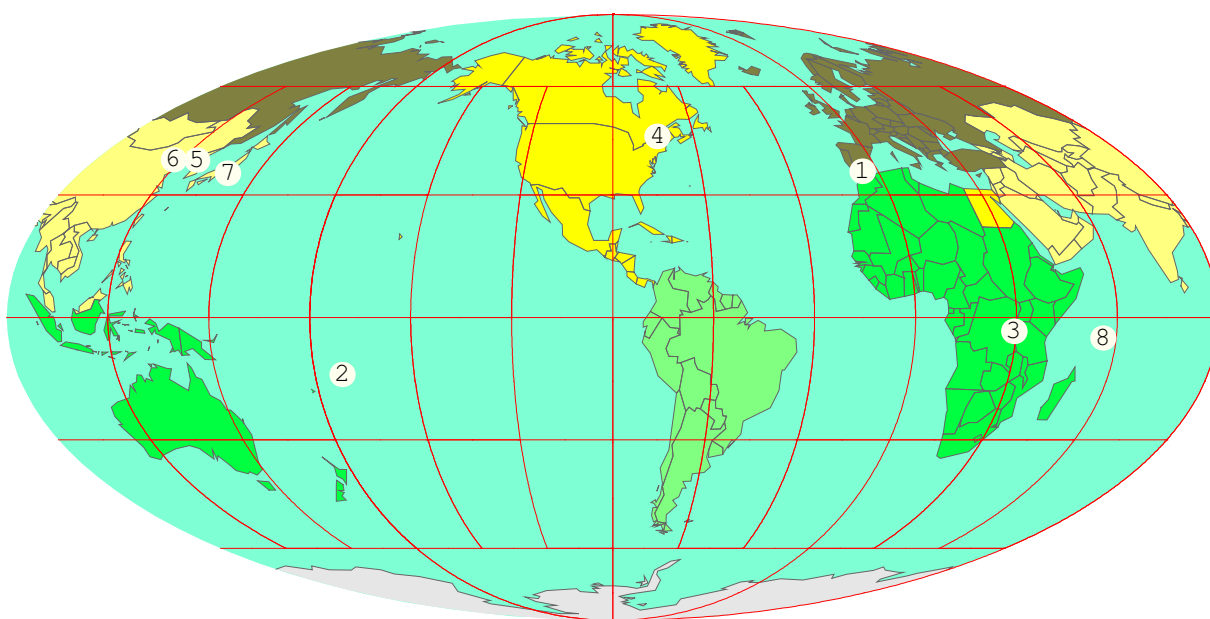
6.

1. Belgrade
2. Brazzaville
3. Kigali
4. Malabo
5. Nassau
6. Rio de Janeiro
7. Roseau
8. Santo Domingo



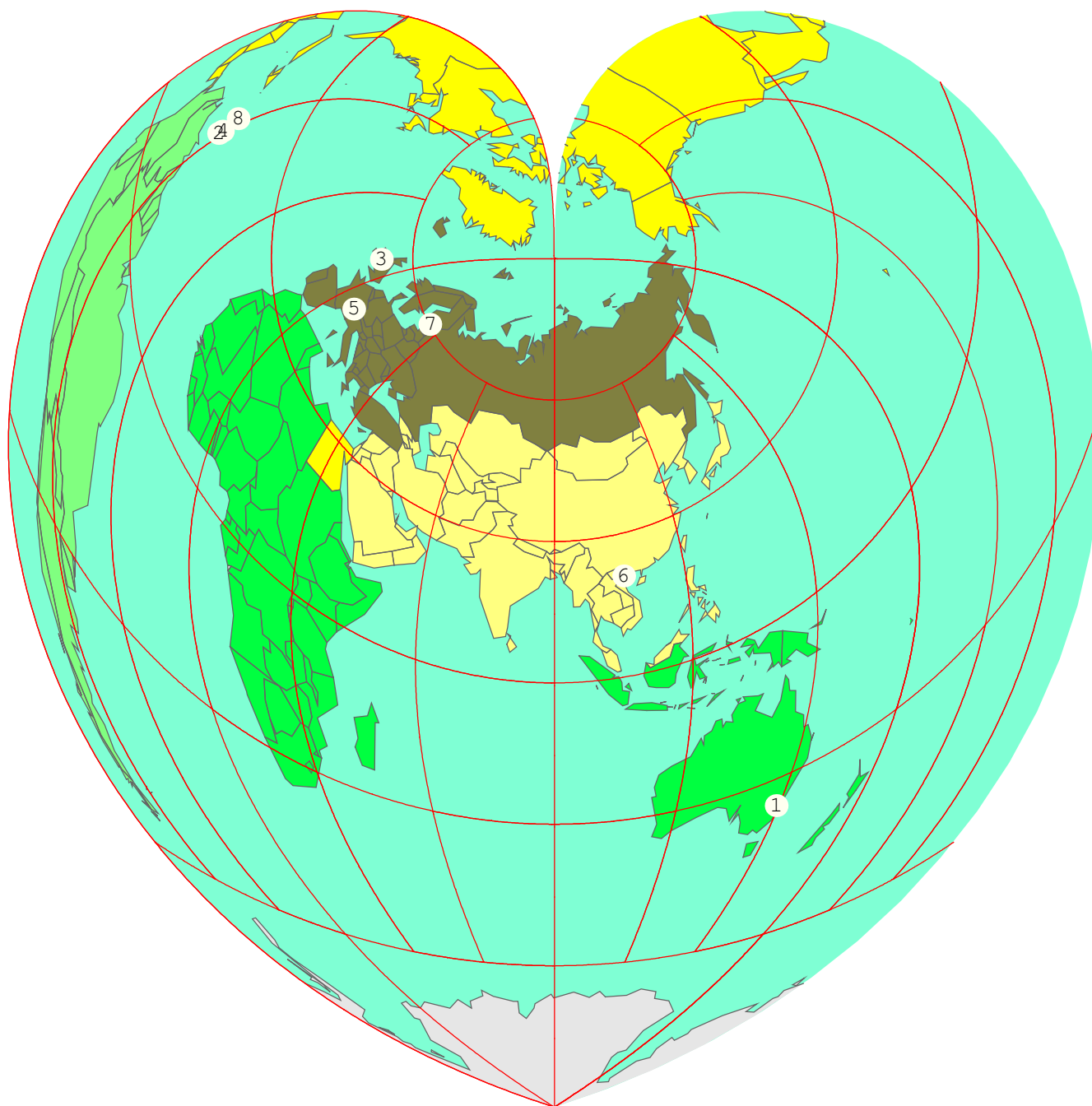
7.

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{{{39, 0}, {125, 30}}}, {{Tianjin, China}, {{39, 8}, {117, 12}}}, {{Tokyo, Japan}, {{35, 42}, {139, 46
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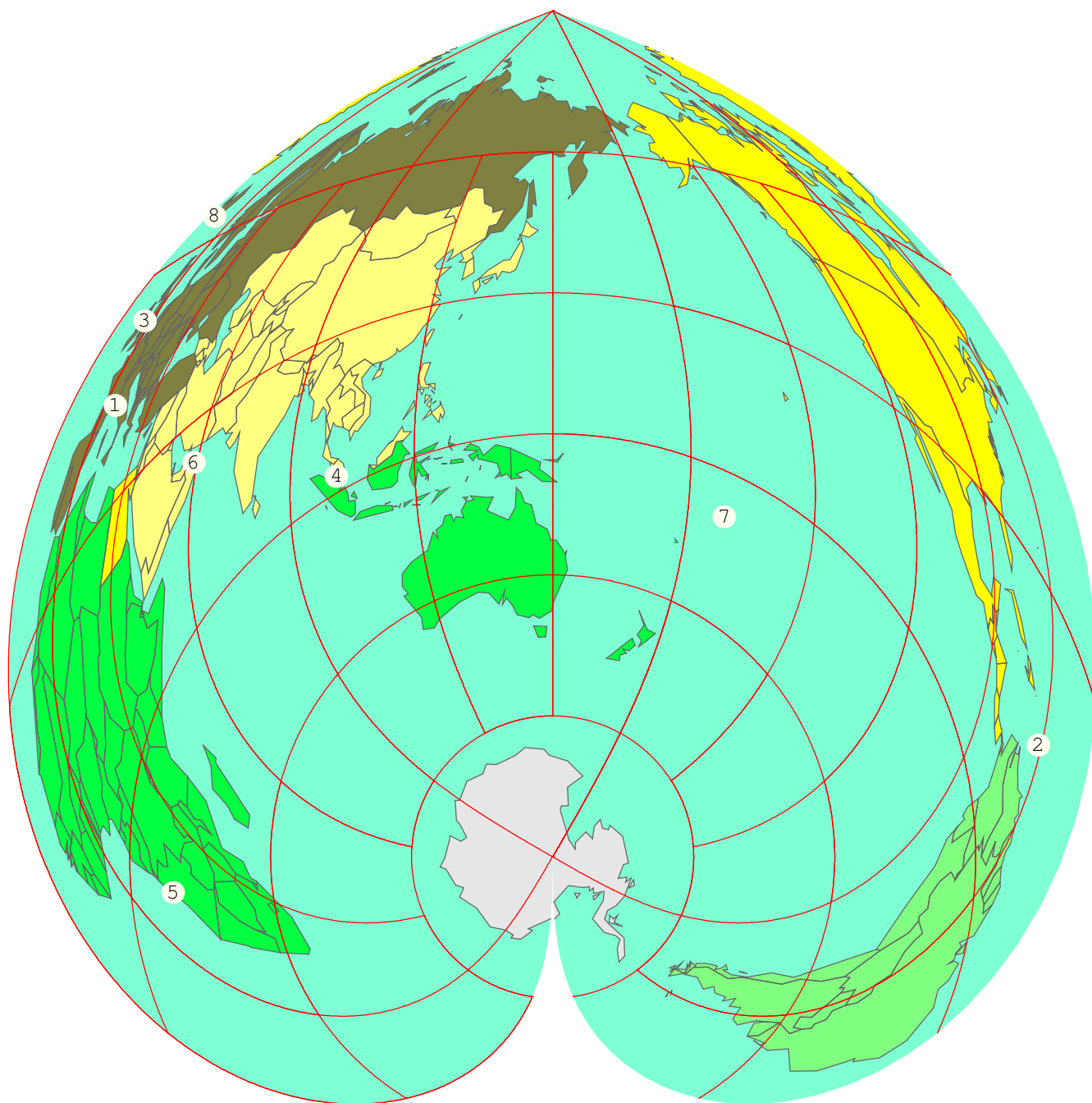
8.

1. Canberra 2. Castries 3. Dublin 4. Fort-de-France  
5. Geneva 6. Hanoi 7. Helsinki 8. Plymouth



9.

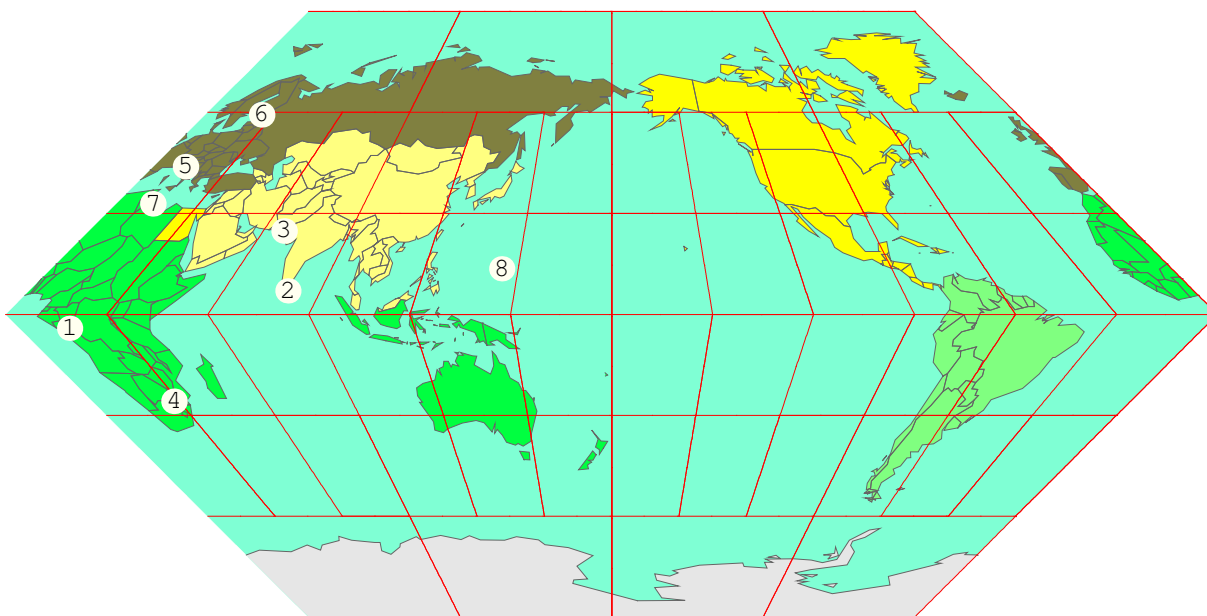
```
}, {13, 15}}}, {{Muscat, Oman}, {{23, 29}, {58, 33}}}, {{Nukunonu, Tokelau}, {{-9, 0}, {-171, -45}}},
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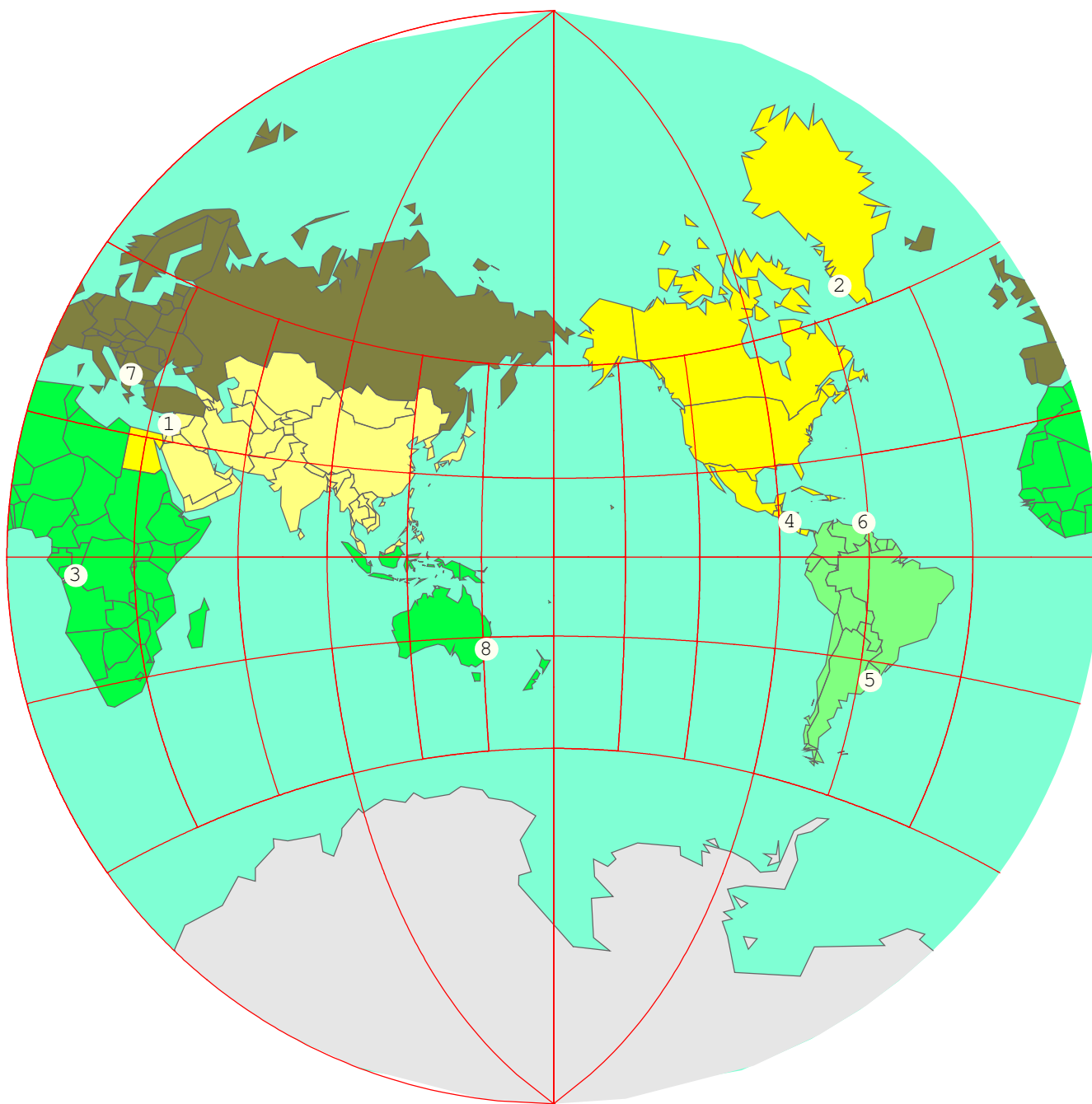
10.

- 1. Brazzaville
- 2. Colombo
- 3. Karachi
- 4. Pretoria
- 5. San Marino
- 6. Tallinn
- 7. Tripoli
- 8. Agana



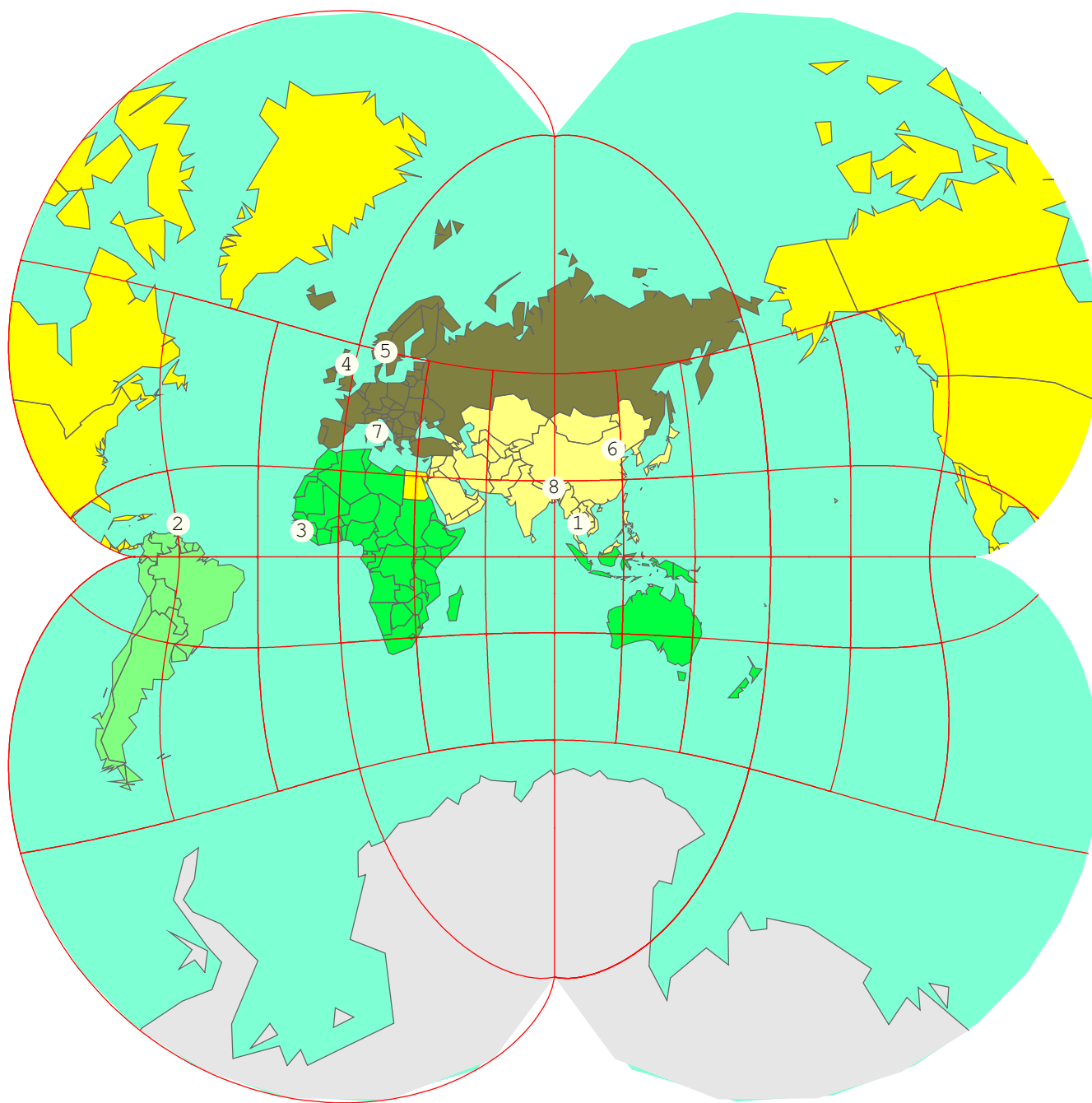
11.

1. Beirut 2. Godthab 3. Kinshasa 4. Managua  
5. Montevideo 6. Port of Spain 7. Skopje 8. Sydney



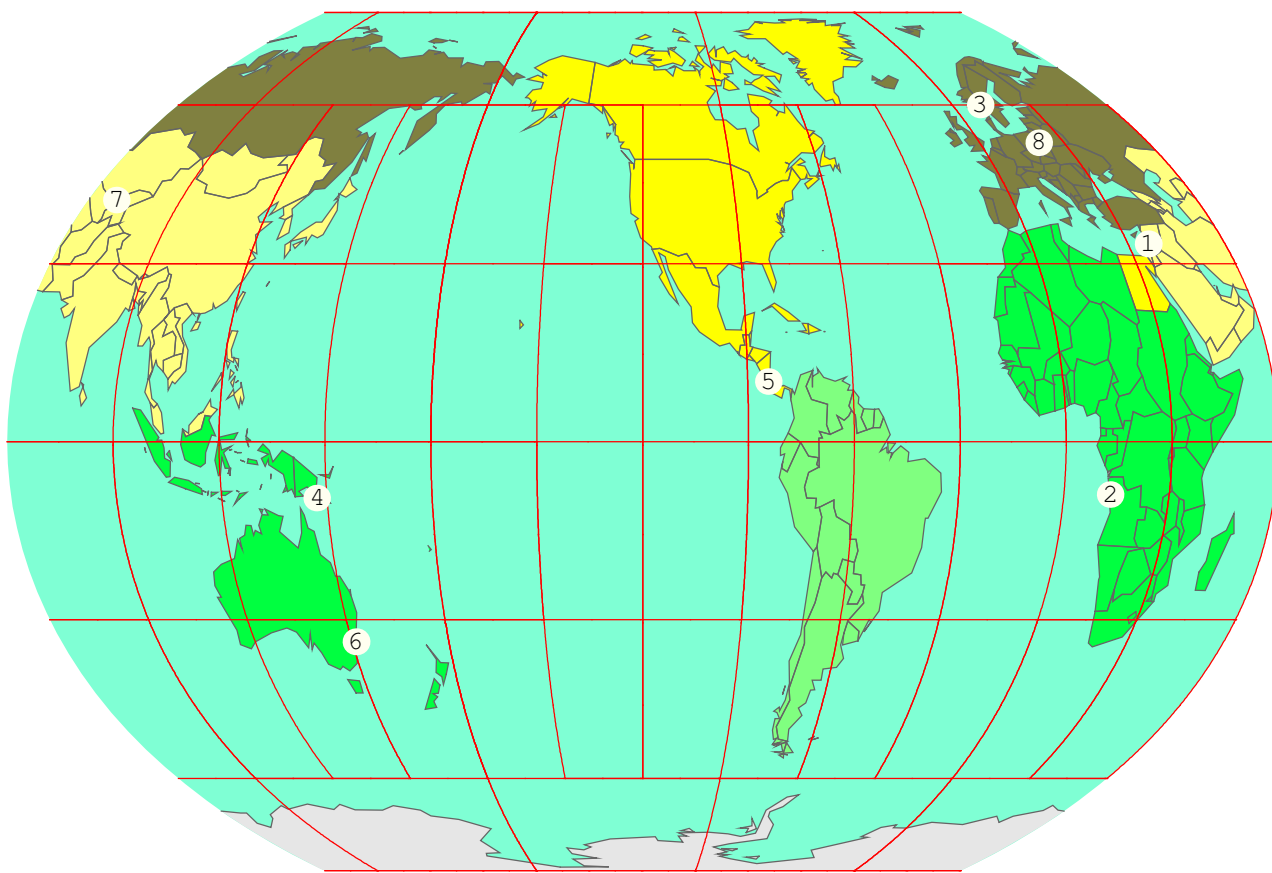
12.

1. Bangkok 2. Bridgetown 3. Conakry 4. Edinburgh  
5. Oslo 6. Peking 7. Rome 8. Thimphu



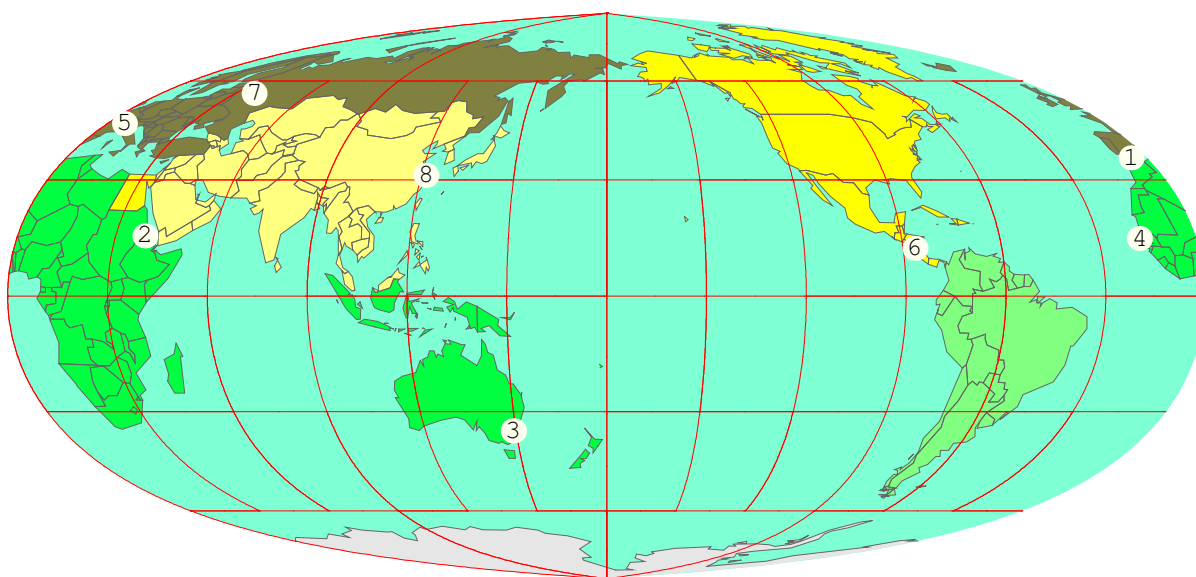
13.

- 1. Damascus
- 2. Luanda
- 3. Oslo
- 4. Port Moresby
- 5. San Jose
- 6. Sydney
- 7. Tashkent
- 8. Warsaw



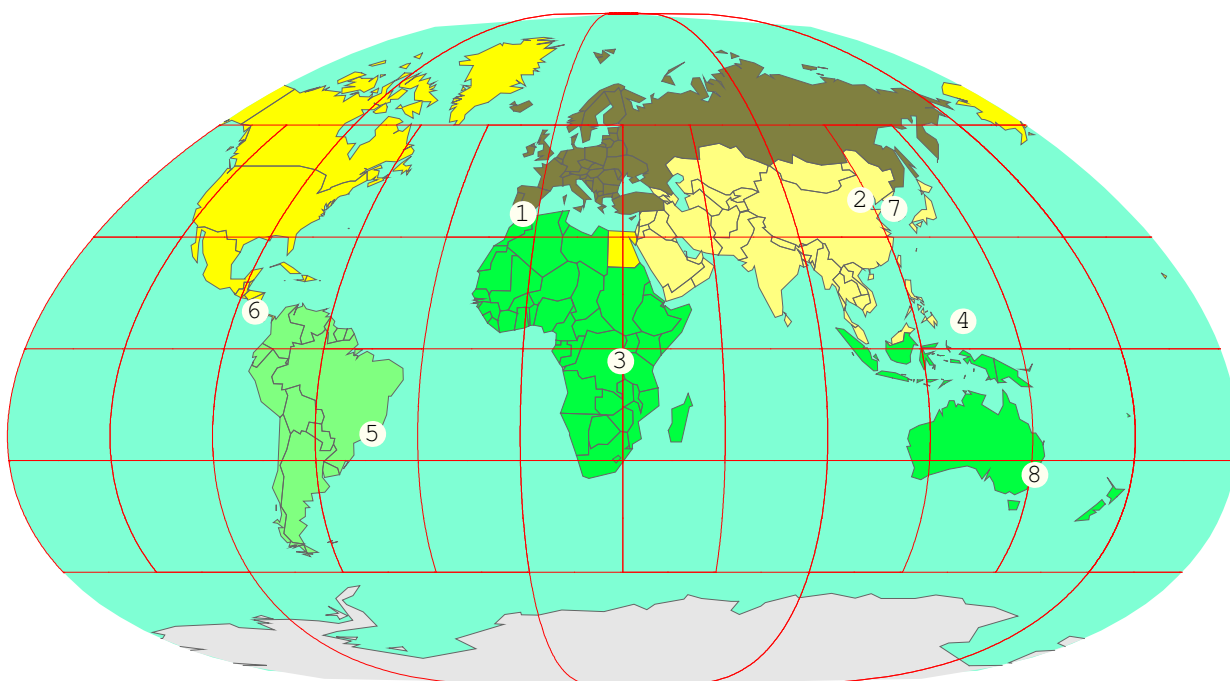
14.

{{{46, 10}, {6, 9}}}, {{Managua, Nicaragua}, {{12, 6}, {-86, -20}}}, {{Moscow, Russia}, {{55, 45}, {3



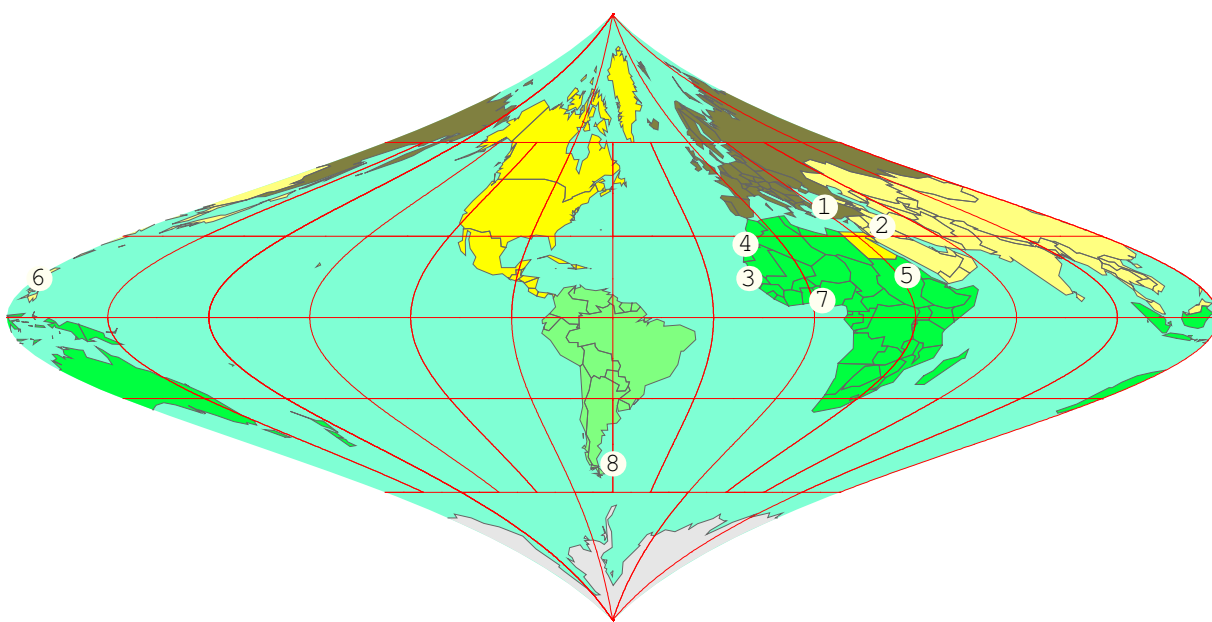
15.

, {-43, -17}}}, {{San Jose, Costa Rica}, {{9, 59}, {-84, -4}}}, {{Seoul, South Korea}, {{37, 33}, {1



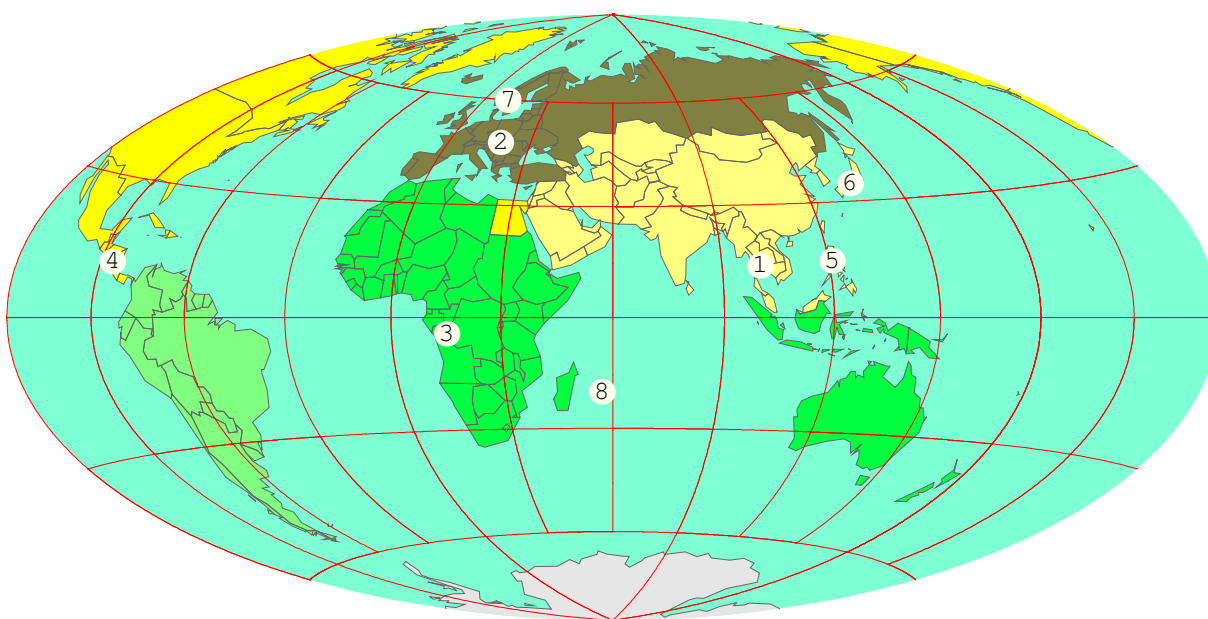
16.

1. Ankara
2. Baghdad
3. Dakar
4. El Aaiun
5. Khartoum
6. Manila
7. Porto-Novo
8. Stanley



17.

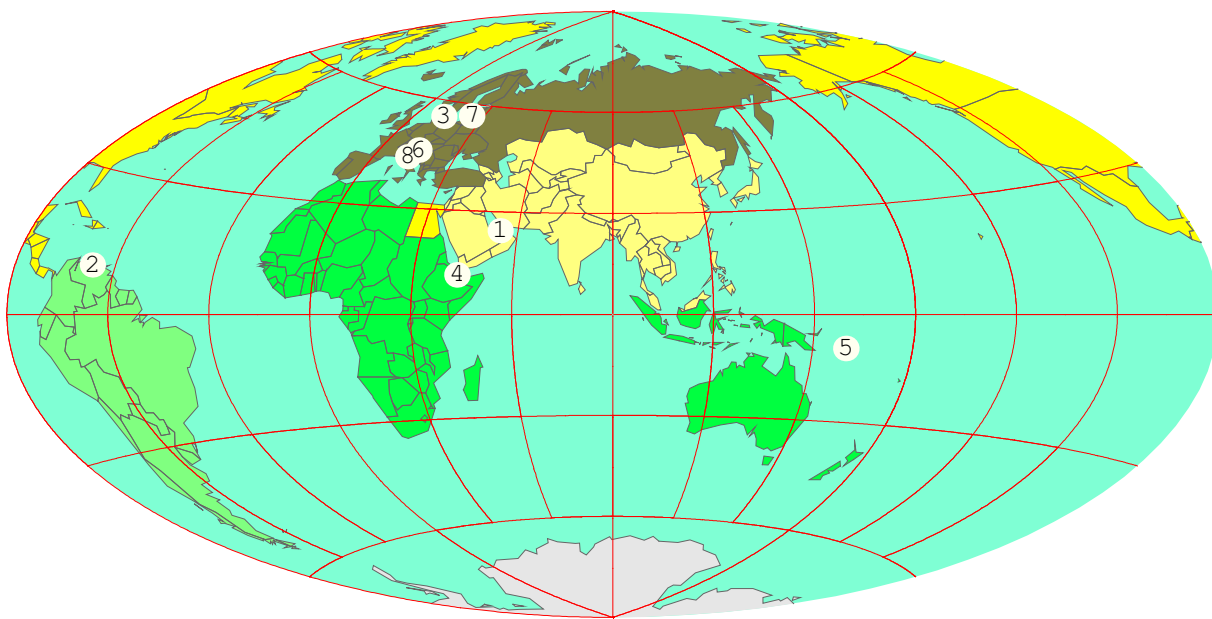
1. Bangkok 2. Budapest 3. Kinshasa 4. Managua  
5. Manila 6. Osaka 7. Oslo 8. Port Louis





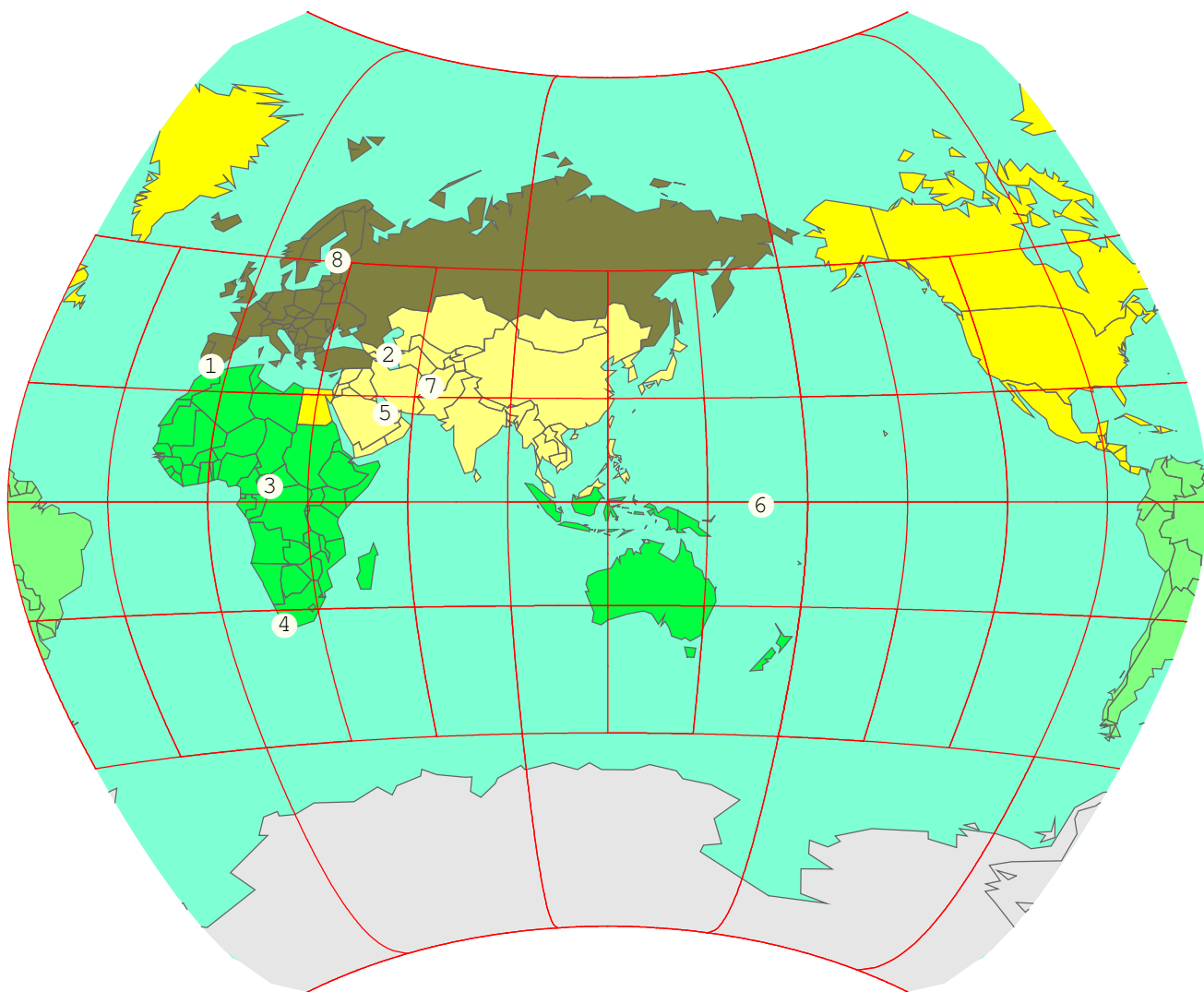
18.

1. Abu Dhabi 2. Caracas 3. Copenhagen 4. Djibouti  
5. Honiara 6. Ljubljana 7. Riga 8. San Marino



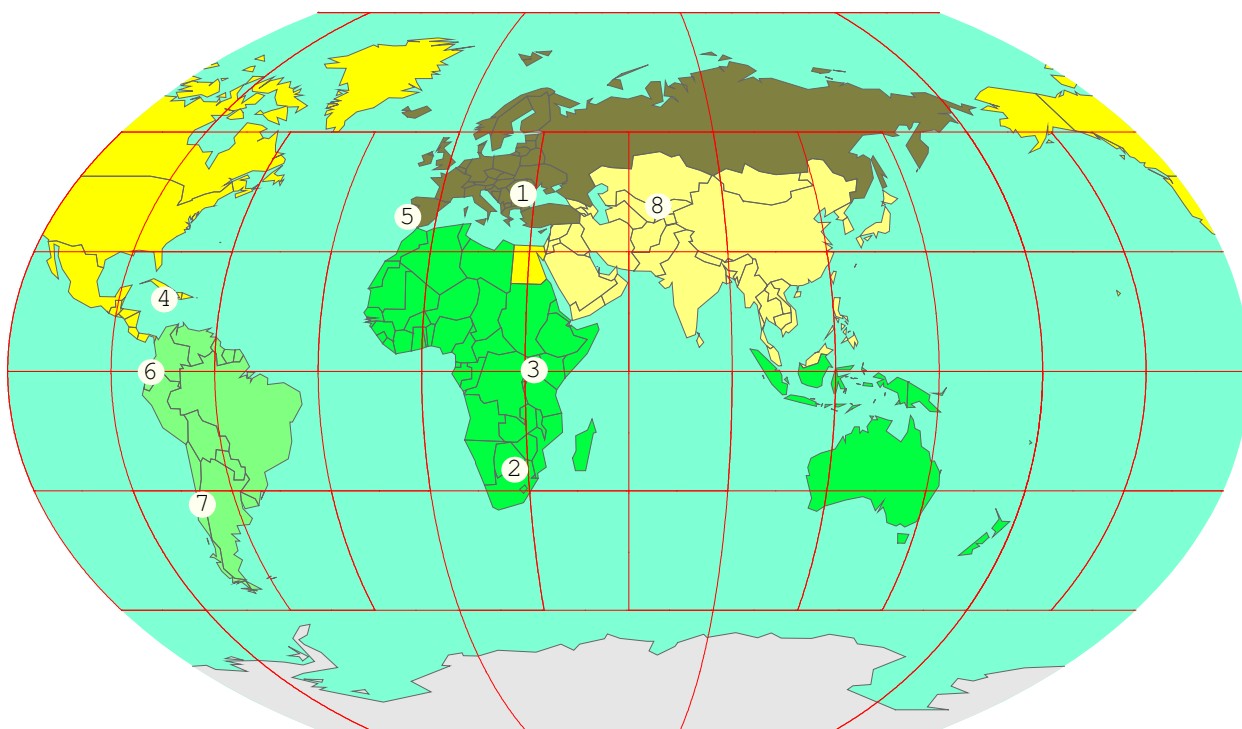
19.

Qatar}, {{25, 17}, {51, 32}}}, {{Domaneab, Nauru}, {{-1, 0}, {166, 0}}}, {{Hamilton, Bermuda}, {{32



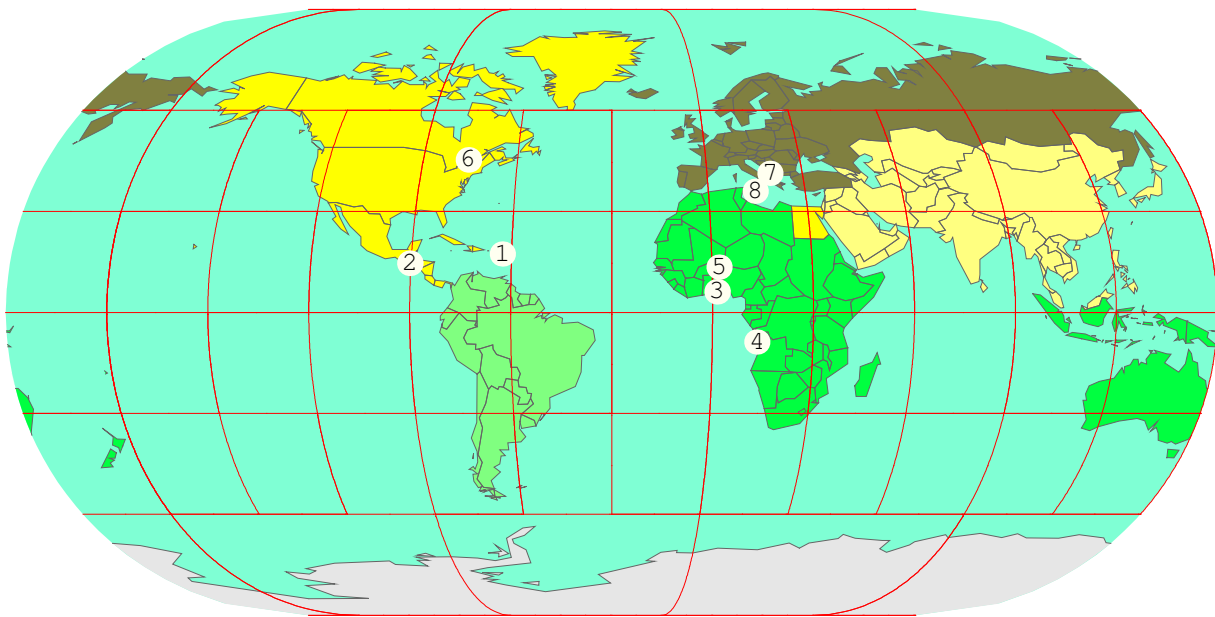
20.

1. Bucharest 2. Gaborone 3. Kampala 4. Kingston  
5. Lisbon 6. Quito 7. Santiago 8. Tashkent



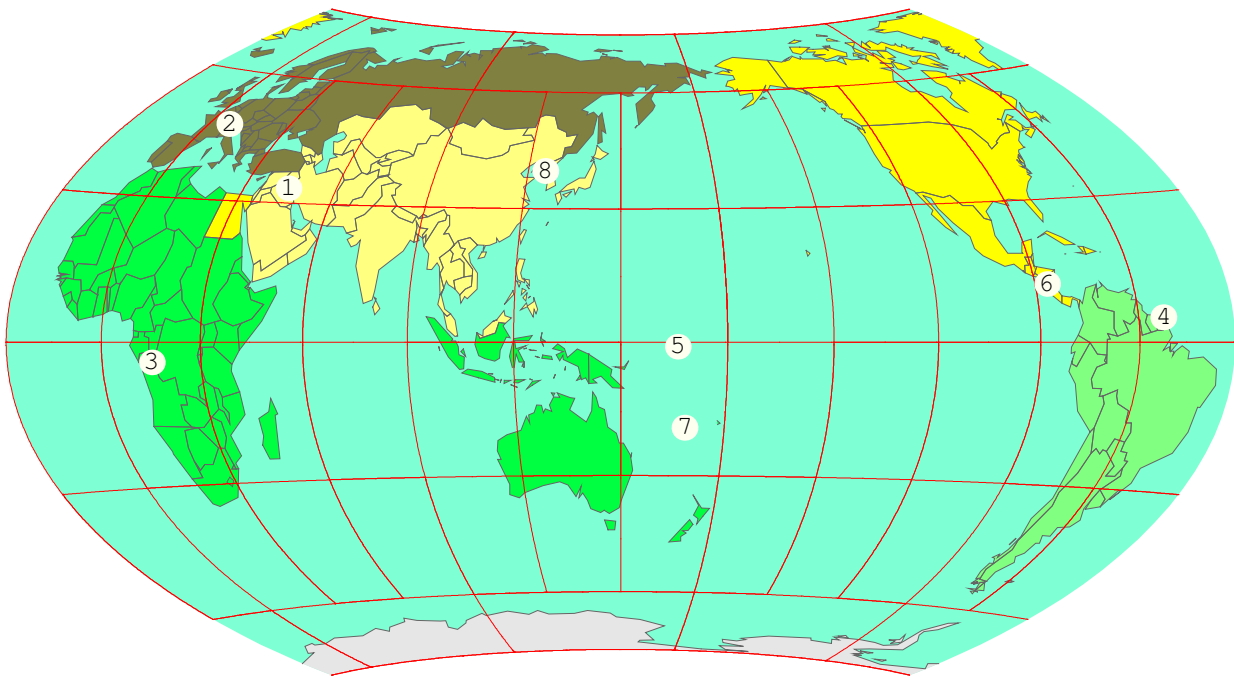
21.

1. Basseterre
2. Guatemala City
3. Lome
4. Luanda
5. Niamey
6. Ottawa
7. Tirana
8. Valletta



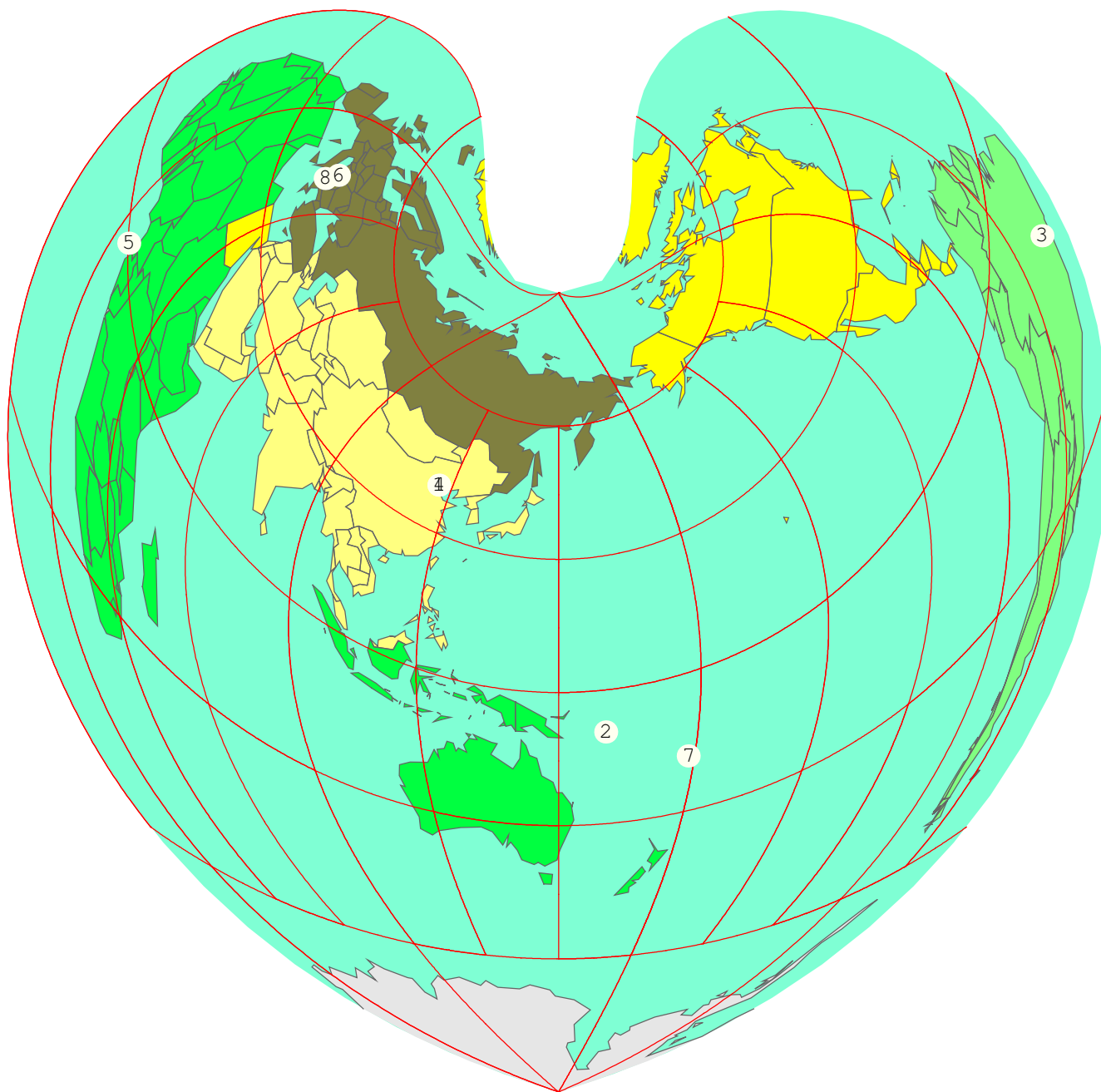
22.

1. Baghdad
2. Bern
3. Brazzaville
4. Cayenne
5. Domaneab
6. Managua
7. Port Vila
8. Pyongyang



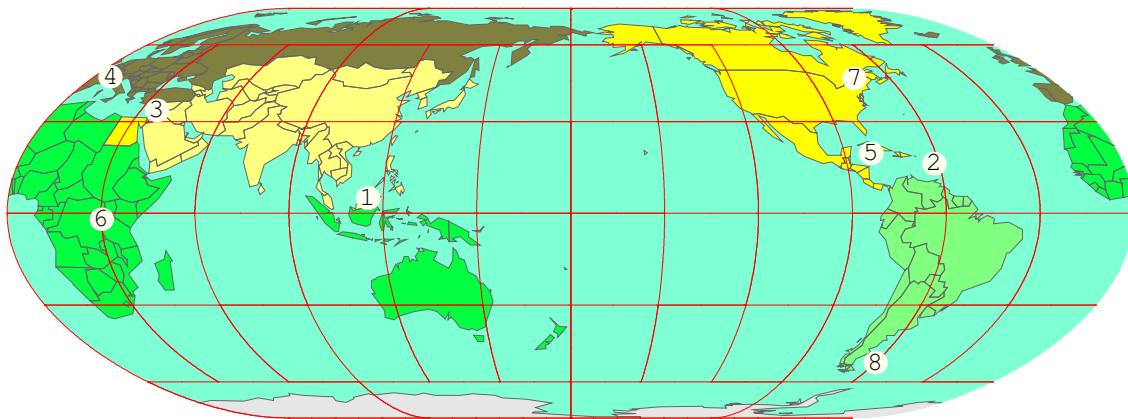
23.

- 1. Beijing
- 2. Honiara
- 3. Moroni
- 4. Peking
- 5. Sao Tome
- 6. Sarajevo
- 7. Suva
- 8. Tirana



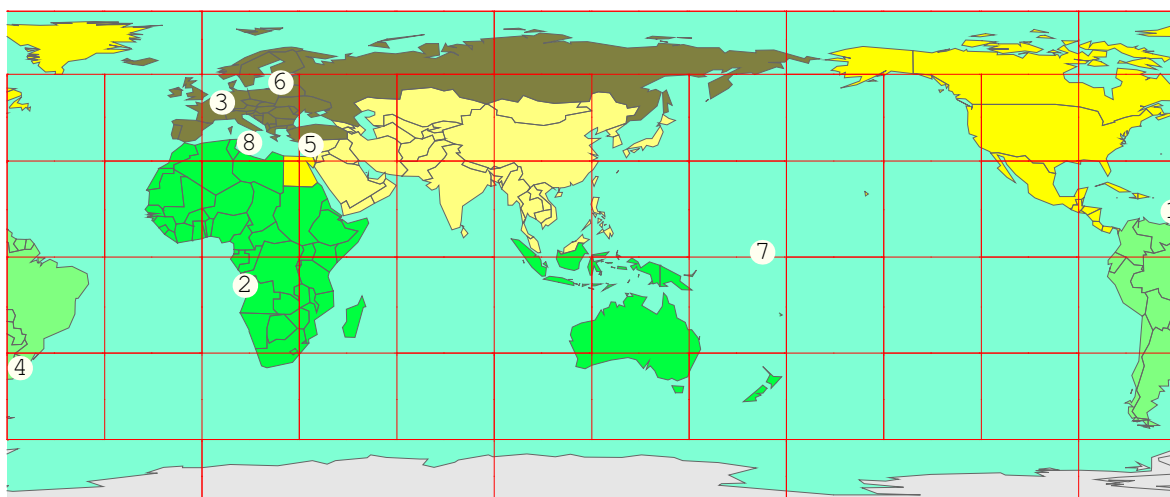
24.

1. Bandar Seri Begawan 2. Basse-Terre 3. Beirut 4. Geneva  
5. Georgetown 6. Kigali 7. Montreal 8. Stanley



25.

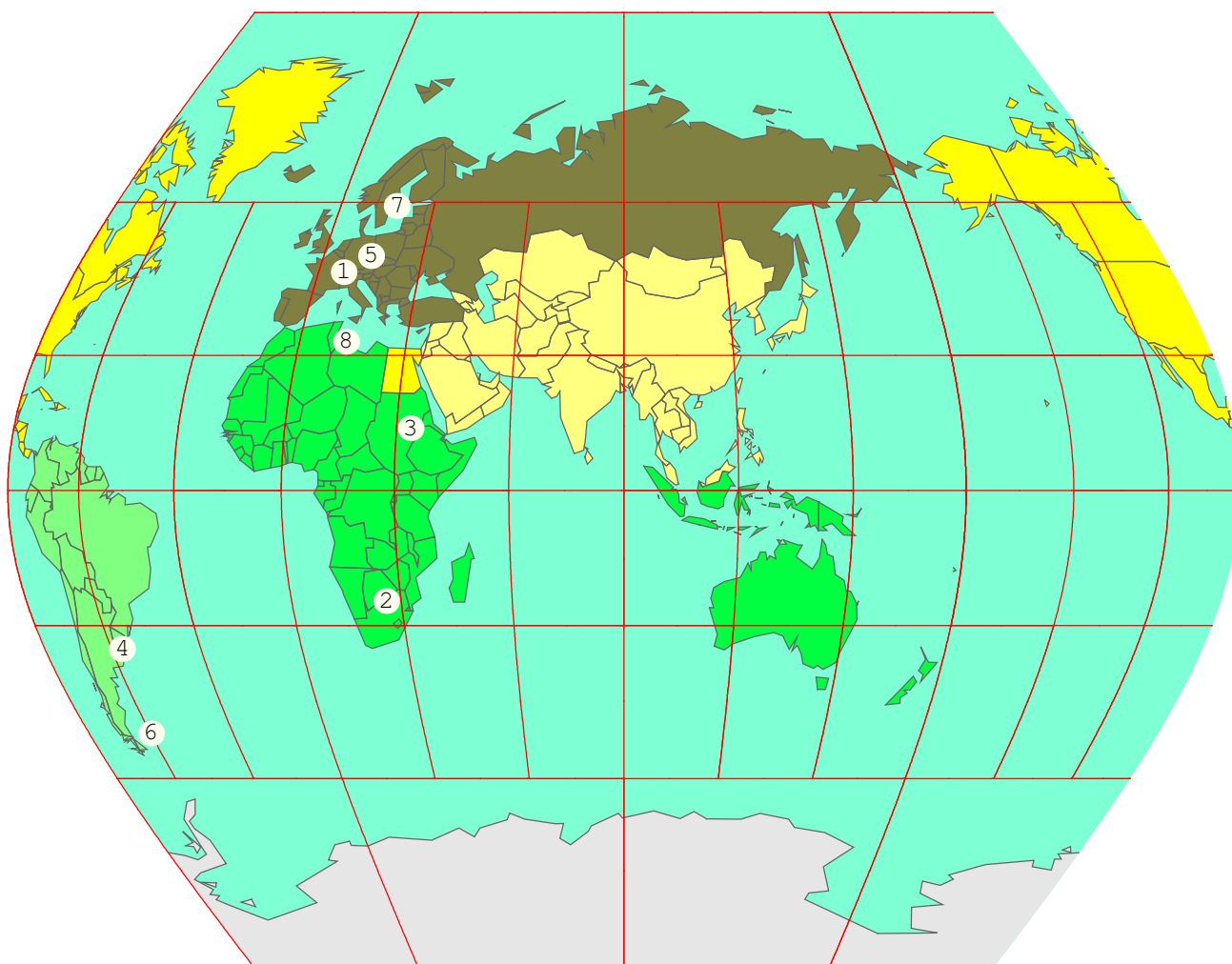
- 1. Castries
- 2. Luanda
- 3. Luxembourg
- 4. Montevideo
- 5. Nicosia
- 6. Riga
- 7. Tarawa
- 8. Valletta





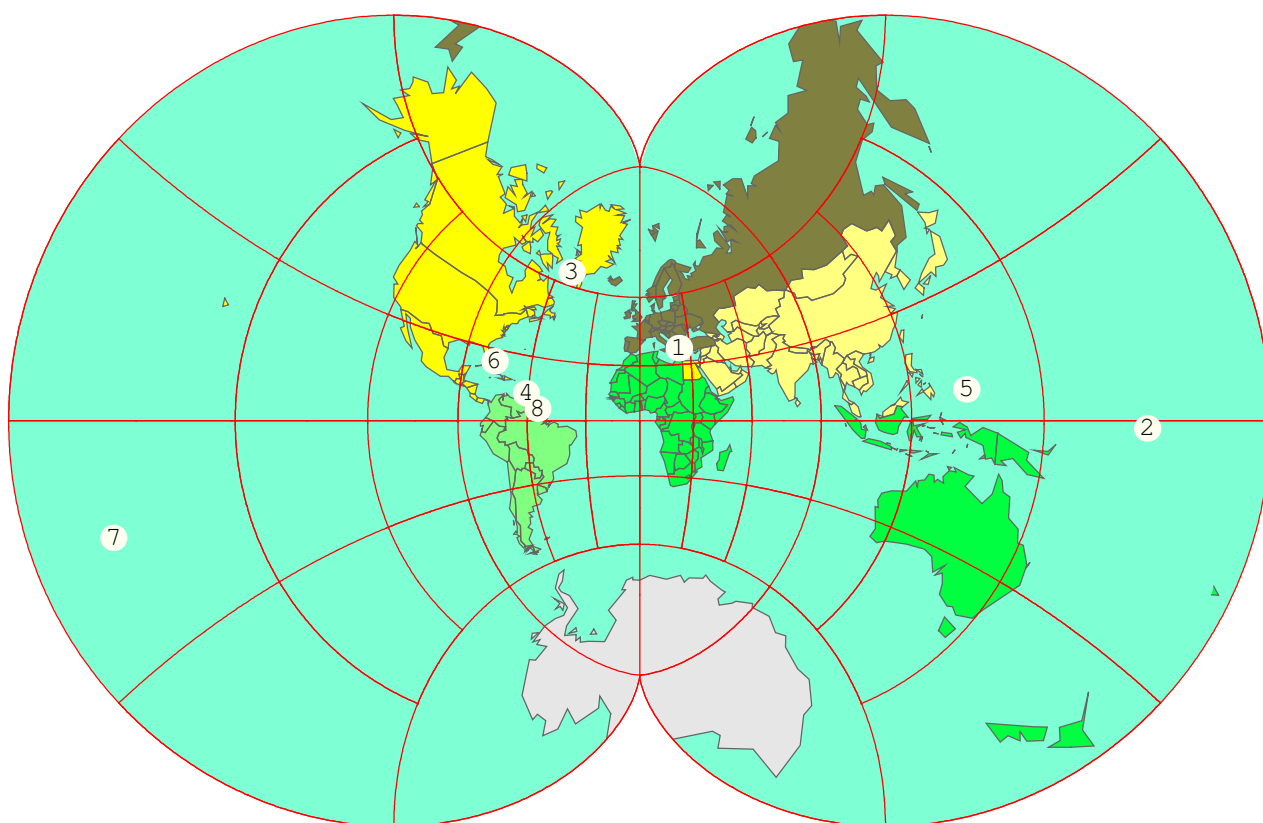
26.

- 1. Bern
- 2. Gaborone
- 3. Lilongwe
- 4. Montevideo
- 5. Prague
- 6. Stanley
- 7. Stockholm
- 8. Tripoli



27.

- 1. Athens
- 2. Domaneab
- 3. Godthab
- 4. Kingstown
- 5. Koror
- 6. Nassau
- 7. Pago Pago
- 8. Paramaribo



28.

1. Algiers 2. Bangui 3. Bern 4. Bogota  
5. Lagos 6. Ouagadougou 7. Quito 8. Tallinn

