

Izidor Hafner

# Maps

Latitude and Longitude

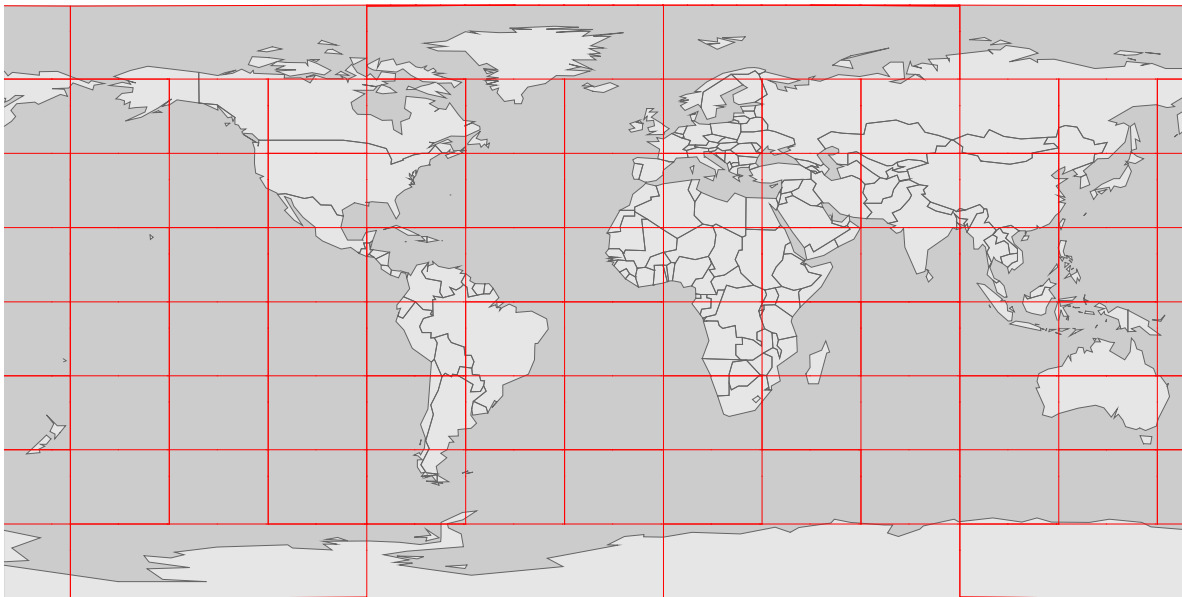
# Problems

1.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	44 N	7 E
2.	37 N	3 E
3.	32 N	36 E
4.	3 S	29 E
5.	41 N	29 E
6.	18 N	77 W
7.	35 N	136 E
8.	24 S	47 W
9.	36 N	15 E
10.	34 N	118 W

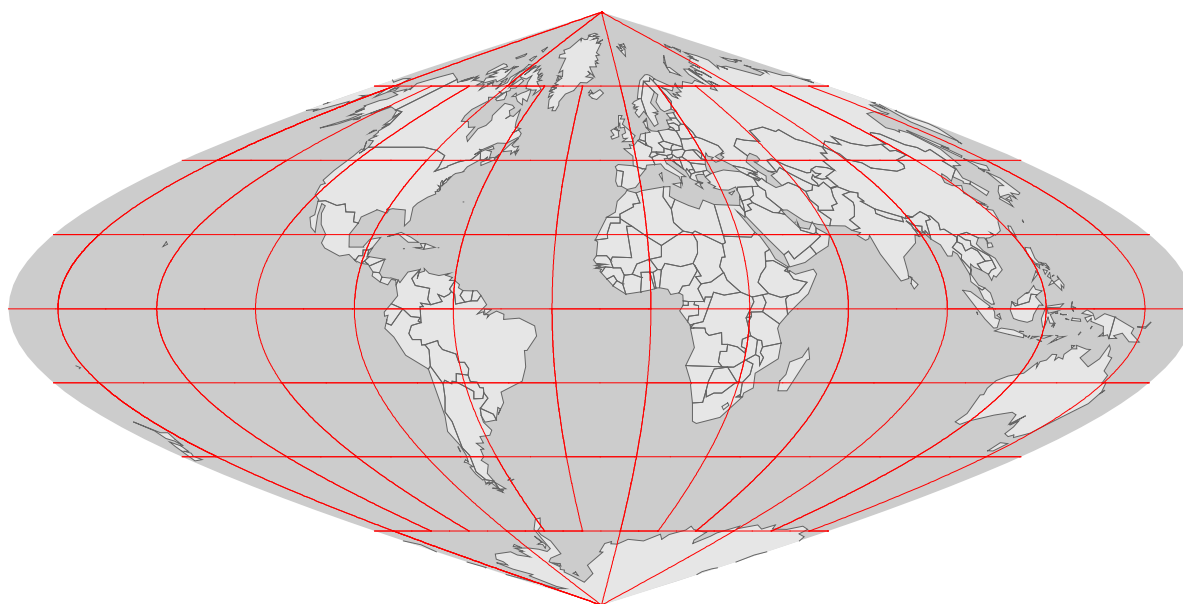


2.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	48 N	17 E
2.	23 N	88 E
3.	7 N	80 E
4.	34 N	36 E
5.	22 N	82 W
6.	32 N	35 E
7.	46 N	74 W
8.	23 N	59 E
9.	41 N	20 E
10.	18 N	65 W

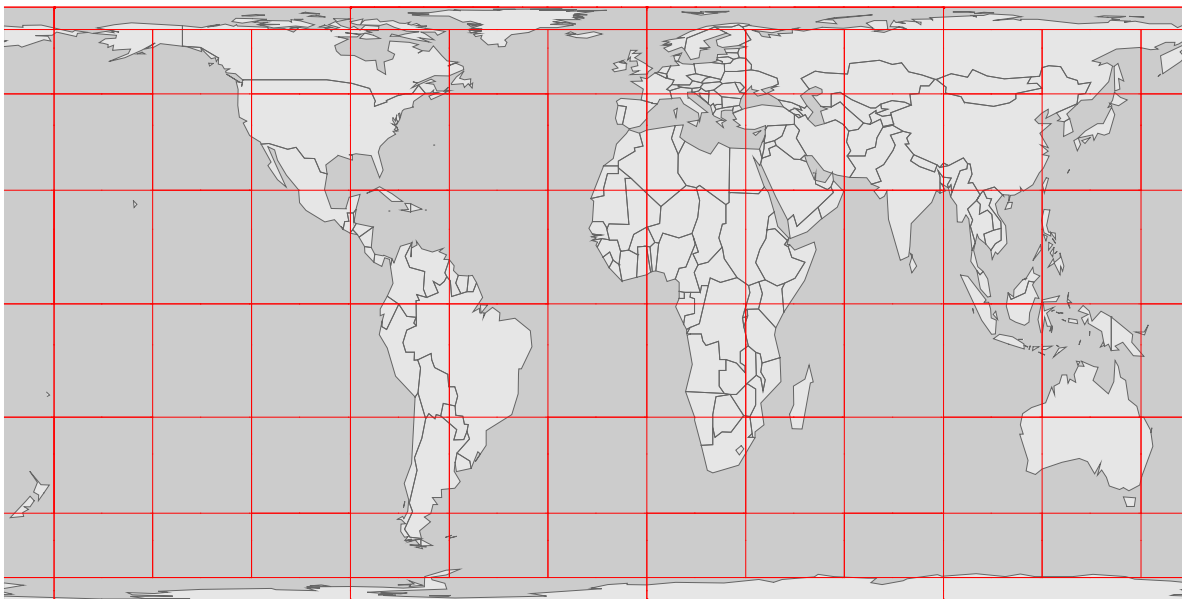


3.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	42 N	12 E
2.	38 N	24 E
3.	43 N	75 E
4.	48 N	17 E
5.	34 S	18 E
6.	50 N	6 E
7.	6 N	11 W
8.	12 N	15 E
9.	60 N	11 E
10.	15 N	61 W

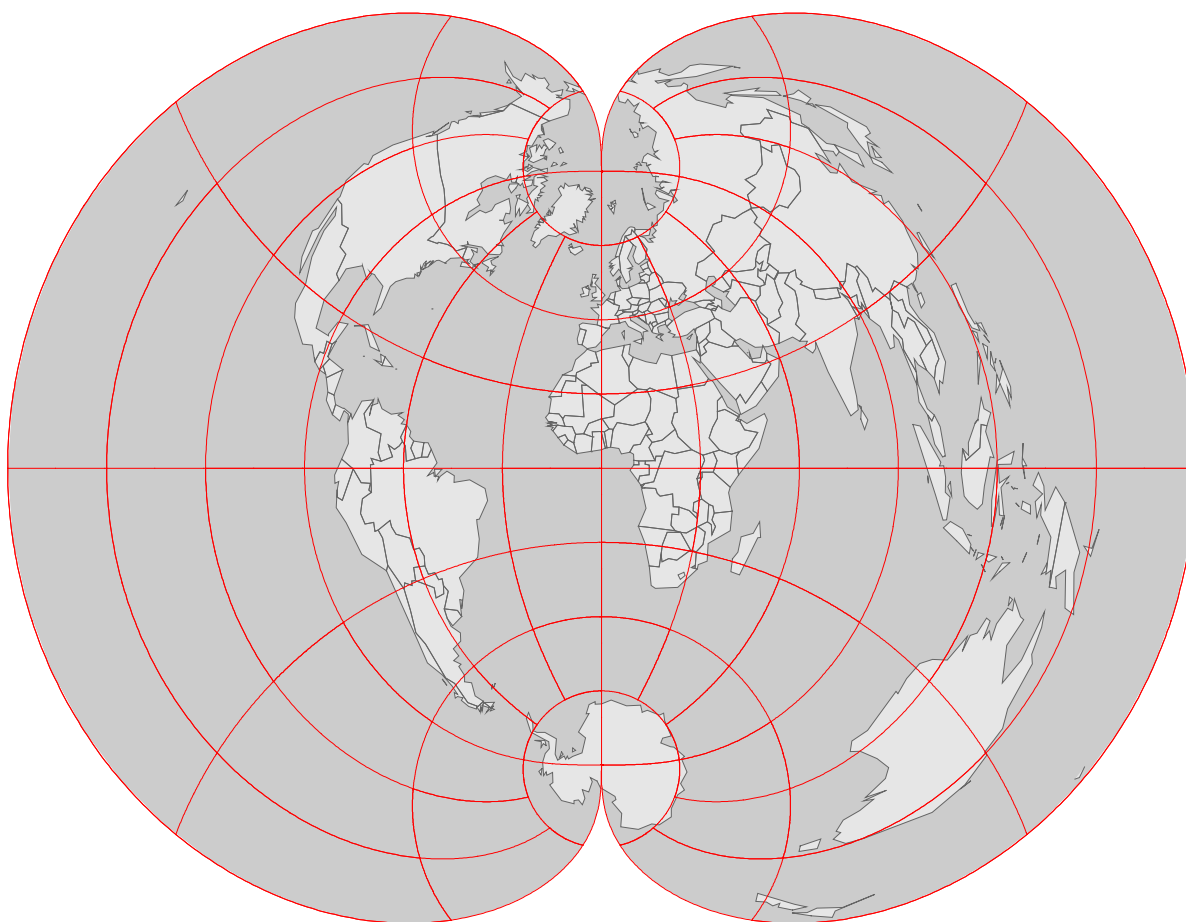


4.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	43 N	2 E
2.	13 N	8 W
3.	52 N	3 W
4.	9 N	14 W
5.	18 S	31 E
6.	60 N	25 E
7.	26 N	51 E
8.	21 S	174 W
9.	37 N	122 W
10.	33 N	97 W

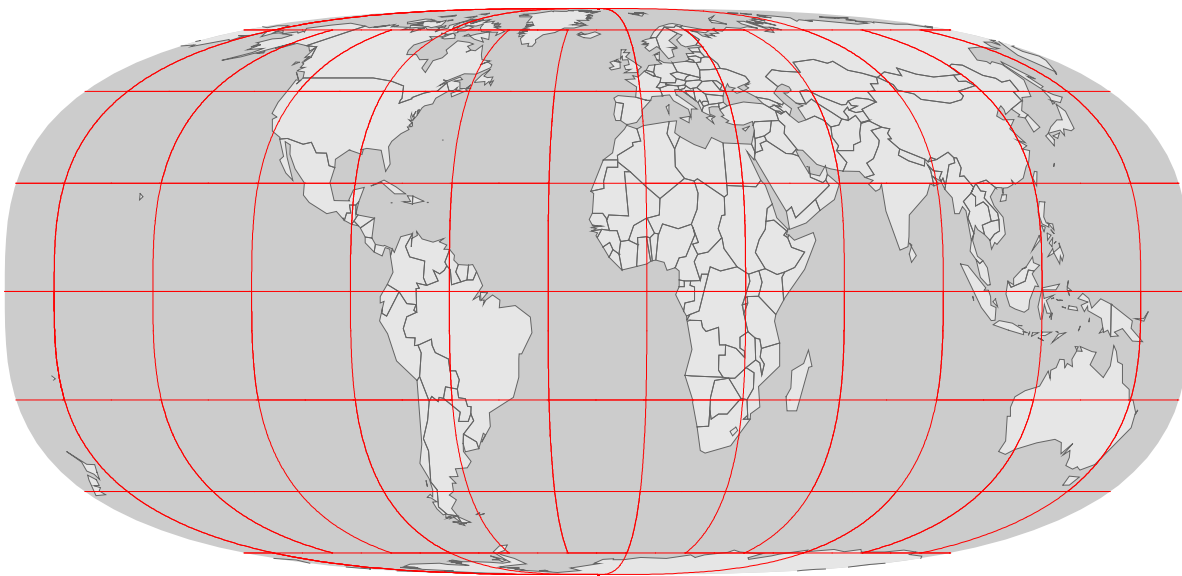


5.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	5 N	4 W
2.	33 N	44 E
3.	16 N	62 W
4.	5 N	74 W
5.	13 N	61 W
6.	6 N	3 E
7.	15 S	28 E
8.	6 N	11 W
9.	9 N	75 W
10.	18 N	63 W

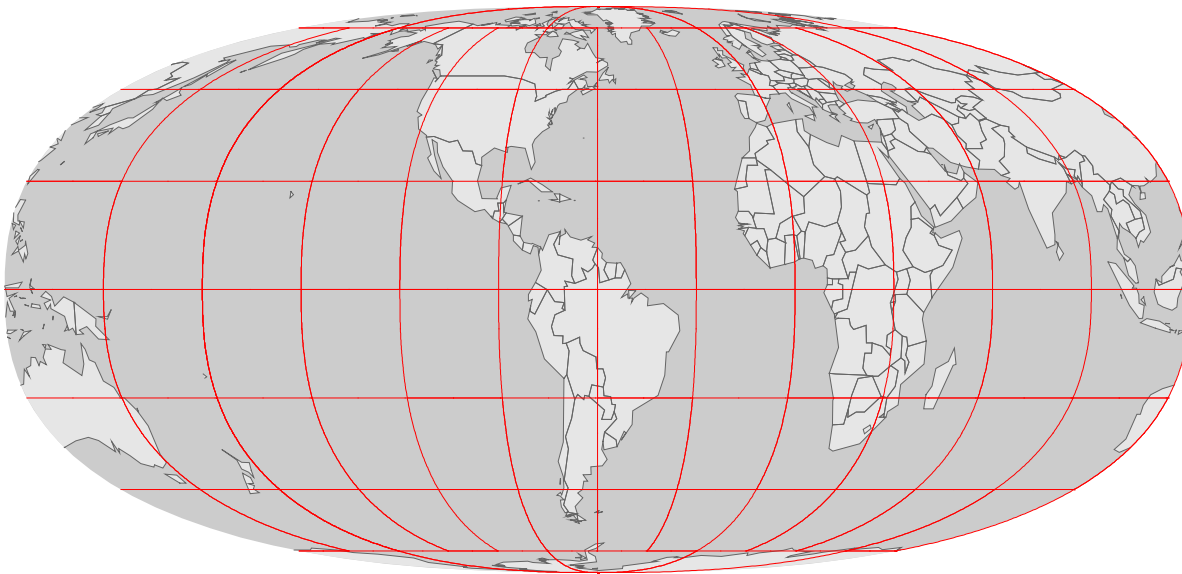


6.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	9 N	39 E
2.	12 N	43 E
3.	56 N	3 W
4.	12 S	77 W
5.	4 N	9 E
6.	12 N	86 W
7.	6 N	55 W
8.	19 S	65 W
9.	21 N	158 W
10.	26 N	80 W



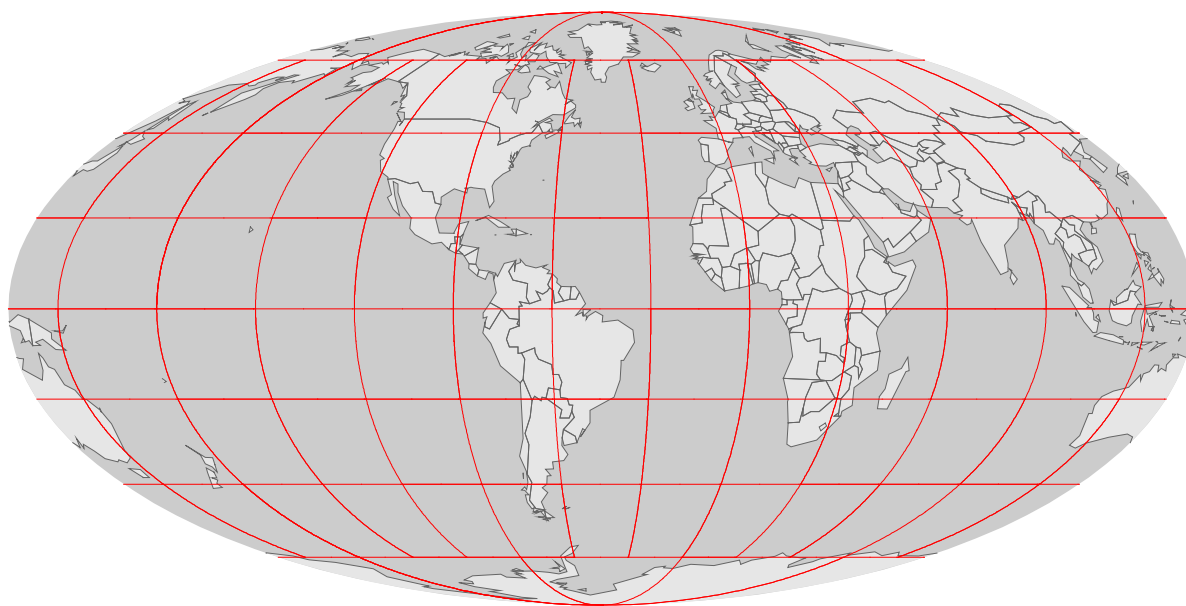


7.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	43 N	77 E
2.	56 N	3 W
3.	0 S	32 E
4.	3 N	102 E
5.	46 N	74 W
6.	37 N	10 E
7.	48 N	107 E
8.	52 N	21 E
9.	38 N	122 W
10.	18 N	66 W

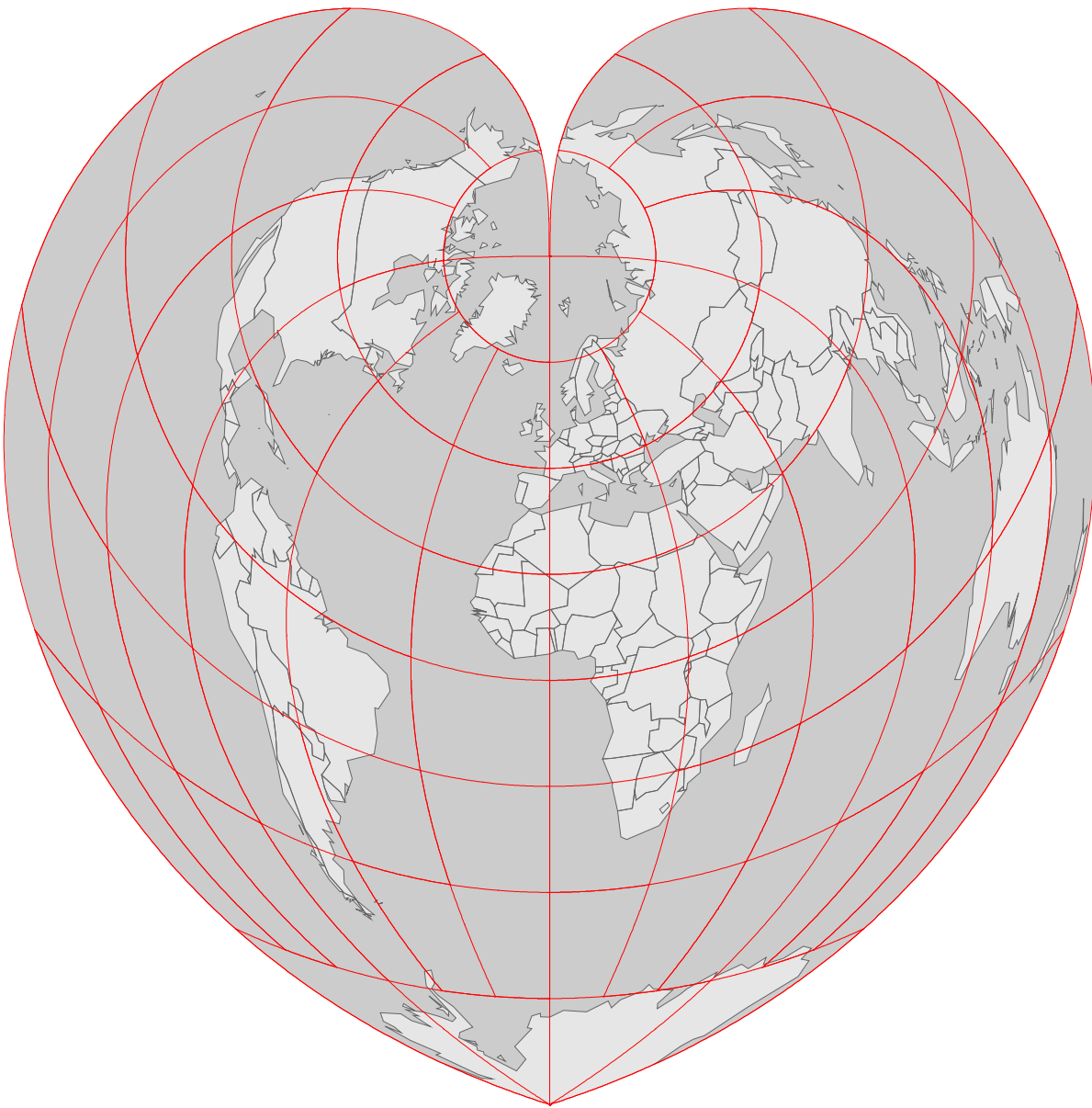


8.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	44 N	7 E
2.	37 N	3 E
3.	9 S	13 E
4.	5 N	73 E
5.	35 S	56 W
6.	29 N	77 E
7.	1 N	104 E
8.	47 N	10 E
9.	42 N	88 W
10.	37 N	122 W

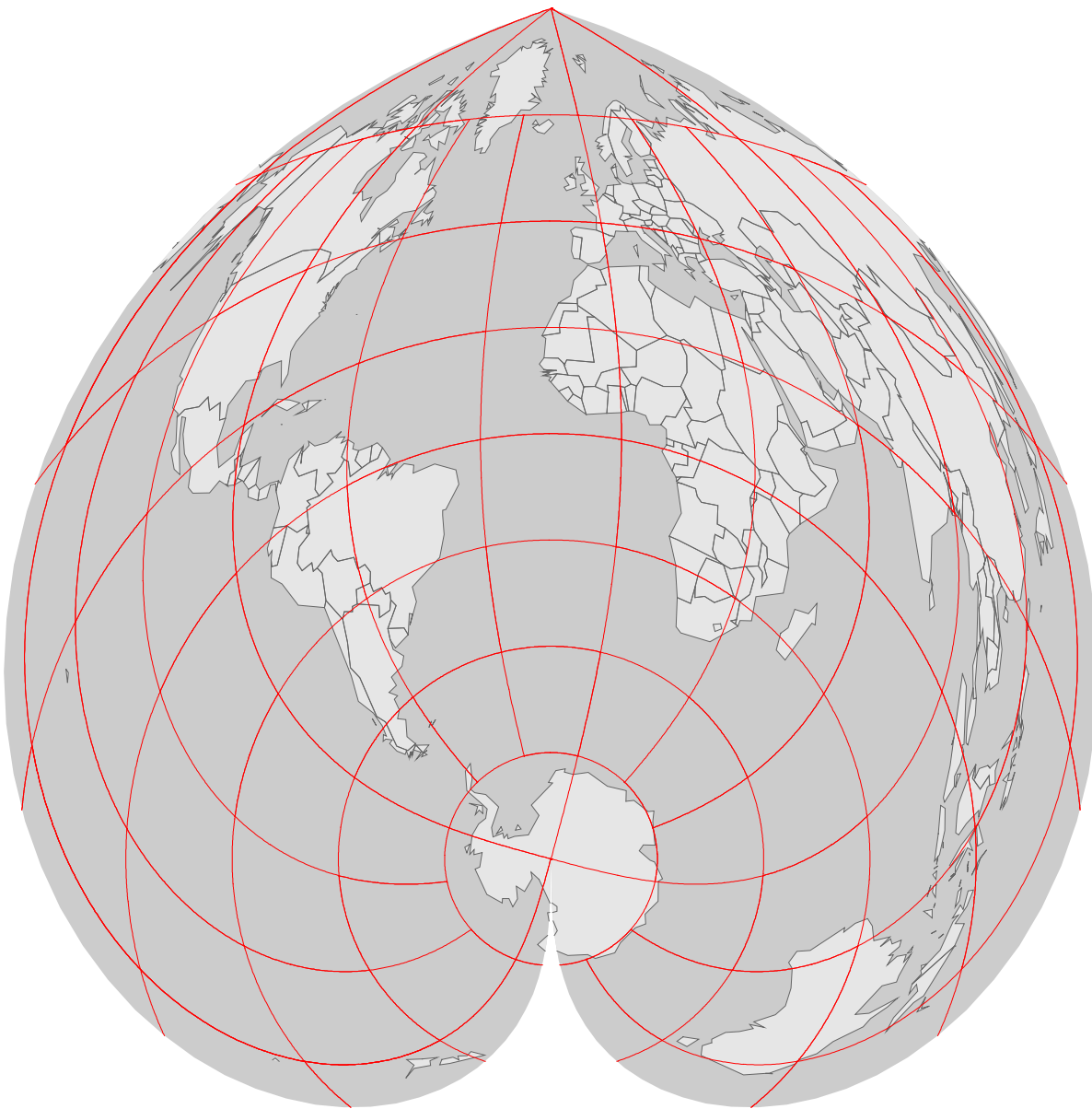


9.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	15 N	39 E
2.	23 N	88 E
3.	15 N	90 W
4.	16 N	33 E
5.	47 N	29 E
6.	1 S	37 E
7.	9 S	172 W
8.	19 S	168 E
9.	52 S	60 W
10.	59 N	18 E

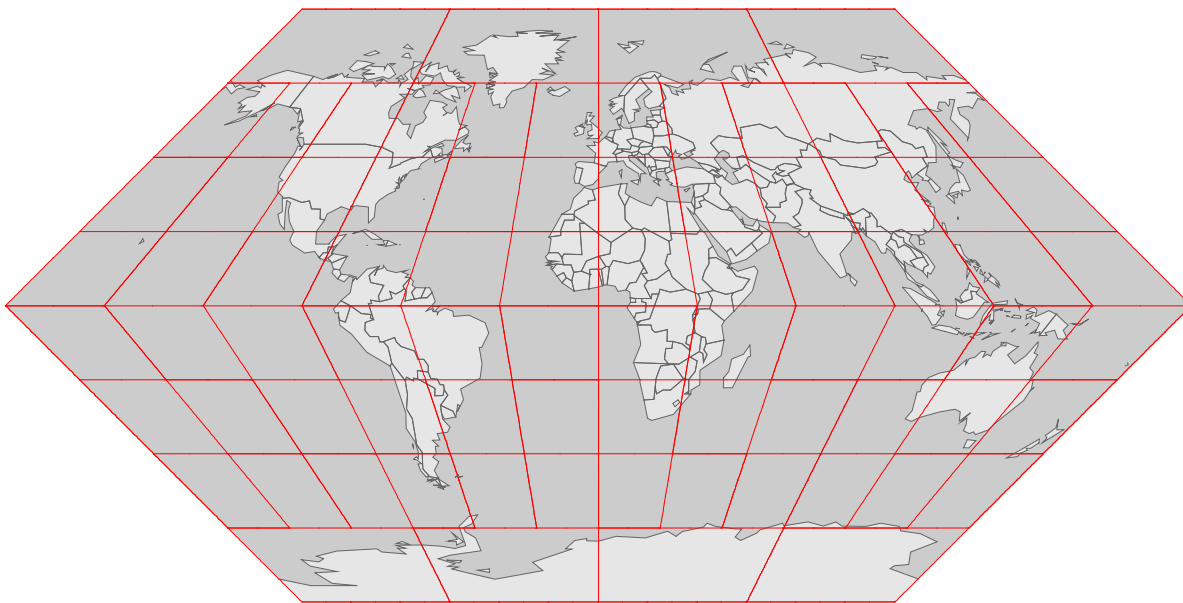


10.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	15 N	17 W
2.	4 S	15 E
3.	4 N	9 E
4.	26 N	51 E
5.	60 N	11 E
6.	20 S	57 E
7.	59 N	25 E
8.	55 N	25 E
9.	23 S	17 E
10.	46 N	16 E

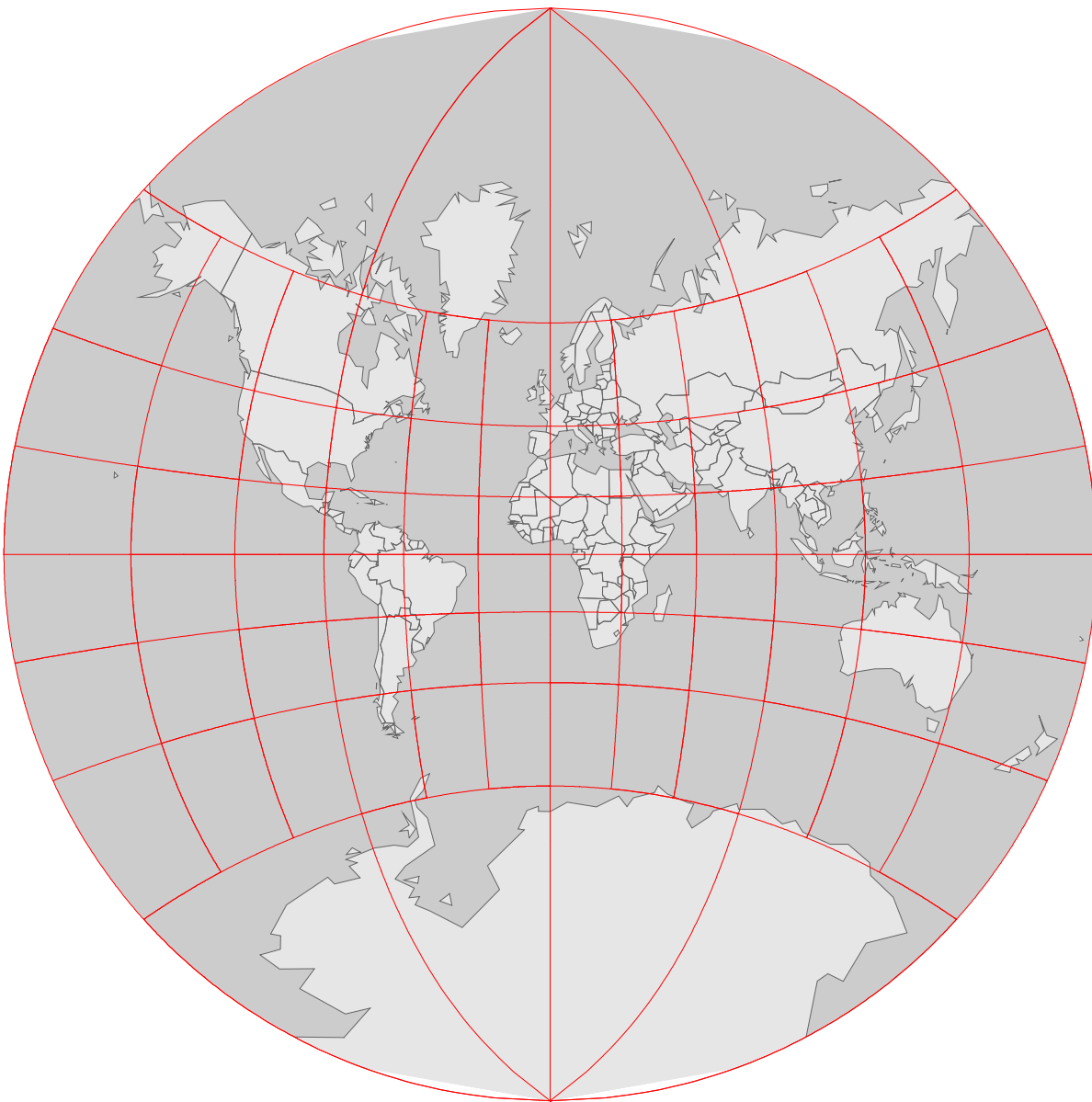


11.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	5 N	4 W
2.	3 S	29 E
3.	15 N	17 W
4.	15 N	61 W
5.	29 N	48 E
6.	15 S	28 E
7.	39 N	29 W
8.	17 N	96 E
9.	1 N	104 E
10.	17 N	62 W

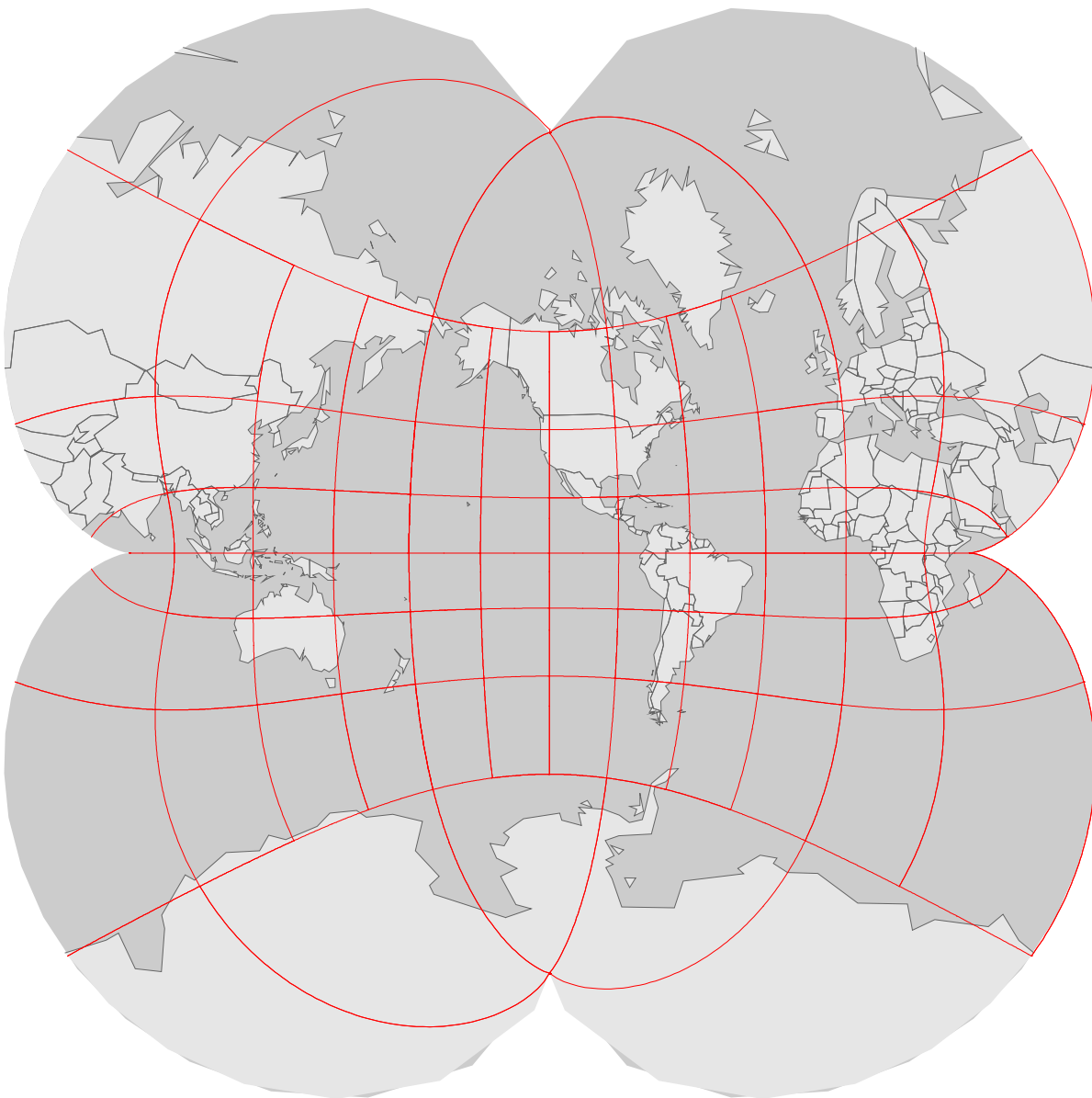


12.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	14 S	172 W
2.	53 N	13 E
3.	43 N	75 E
4.	2 N	45 E
5.	29 N	77 E
6.	49 N	2 E
7.	26 S	28 E
8.	25 N	47 E
9.	59 N	25 E
10.	12 N	69 W

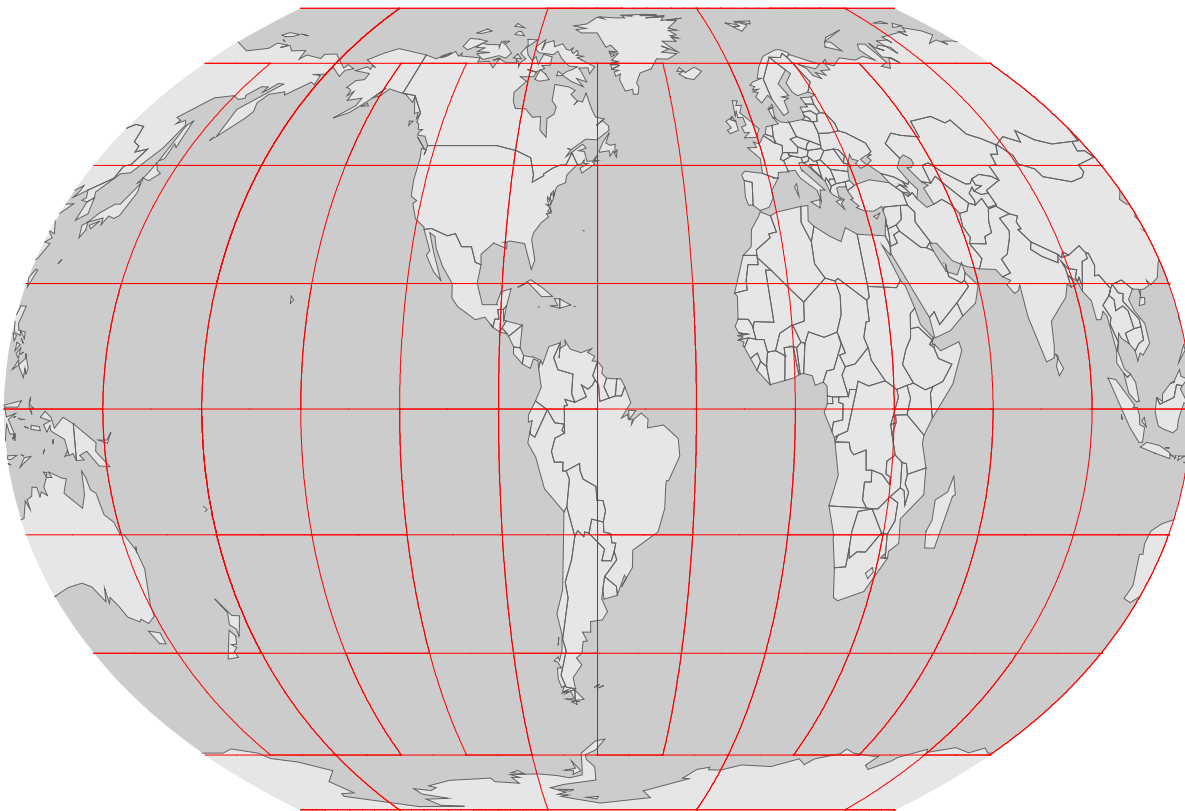


13.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	36 N	5 W
2.	24 N	90 E
3.	33 N	64 E
4.	60 N	25 E
5.	29 N	48 E
6.	12 S	77 W
7.	23 N	59 E
8.	13 N	145 E
9.	42 N	71 W
10.	18 N	65 W

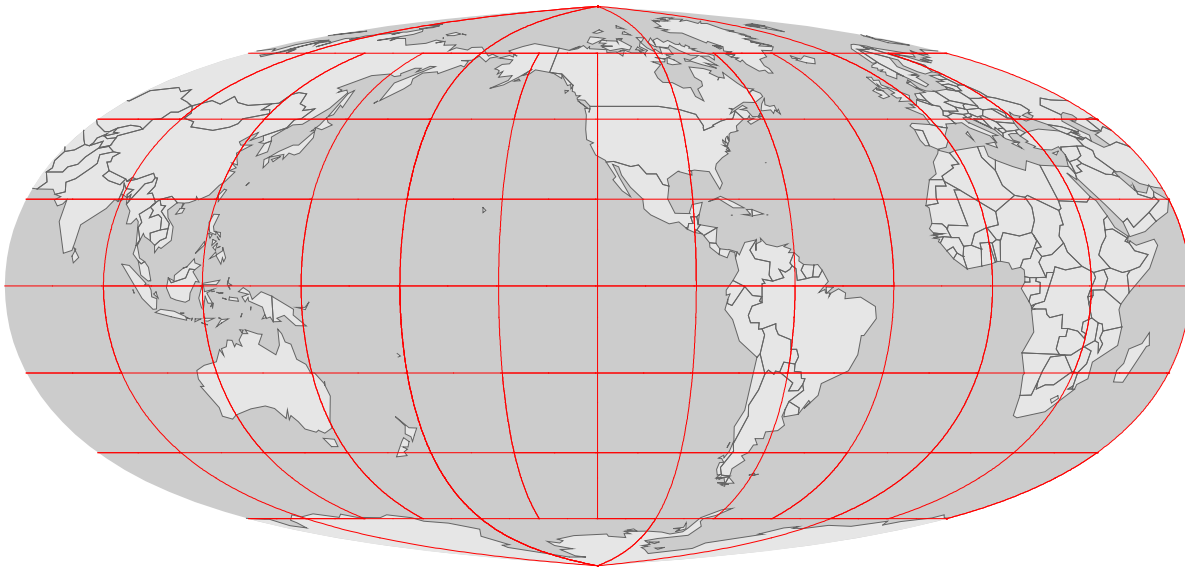


14.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	36 N	5 W
2.	24 N	90 E
3.	56 N	3 W
4.	7 N	58 W
5.	34 N	73 E
6.	18 N	77 W
7.	6 N	1 E
8.	15 N	44 E
9.	43 N	23 E
10.	26 N	80 W



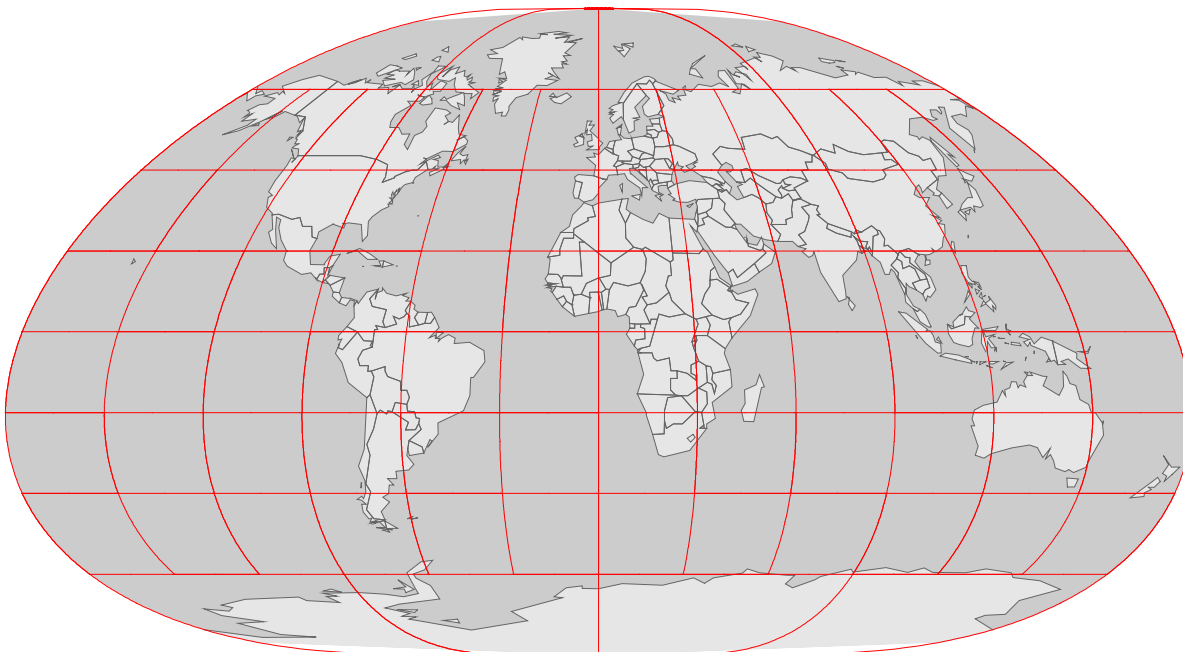


15.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	43 N	77 E
2.	35 S	58 W
3.	15 N	90 W
4.	12 N	86 W
5.	11 N	62 W
6.	64 N	22 W
7.	15 N	44 E
8.	24 S	47 W
9.	44 N	18 E
10.	26 N	80 W

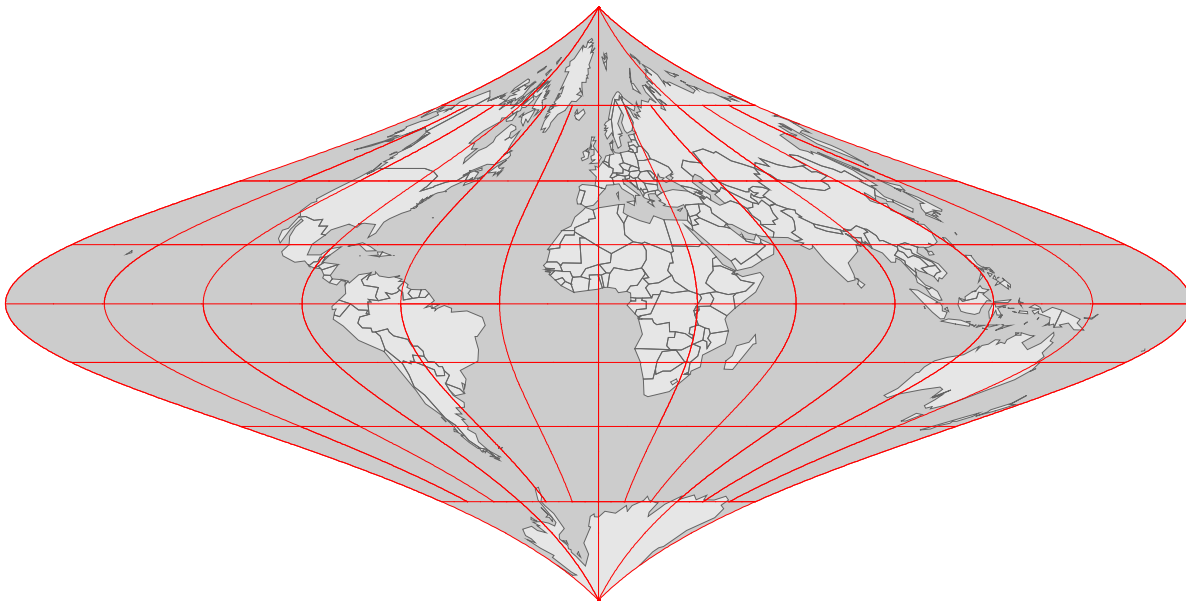


16.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	9 N	39 E
2.	43 N	77 E
3.	56 N	13 E
4.	15 N	61 W
5.	50 N	30 E
6.	54 N	28 E
7.	57 N	24 E
8.	25 N	47 E
9.	33 N	97 W
10.	39 N	90 W

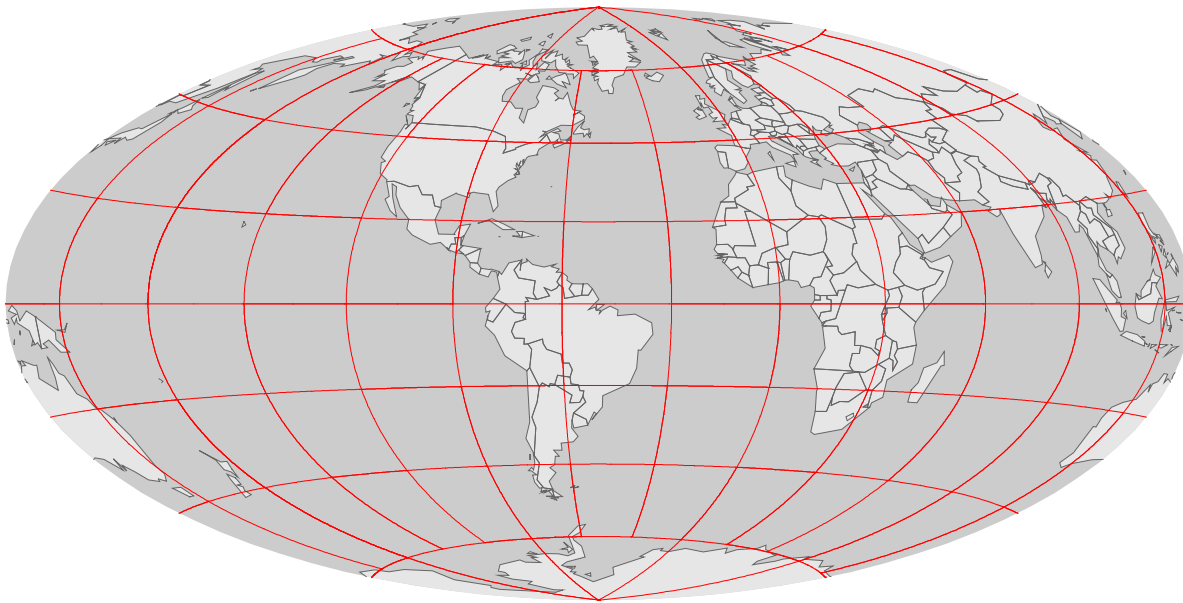


17.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	56 N	3 W
2.	8 S	179 E
3.	60 N	25 E
4.	16 N	33 E
5.	35 N	136 E
6.	14 S	171 W
7.	11 N	62 W
8.	25 N	122 E
9.	40 N	105 W
10.	45 N	93 W

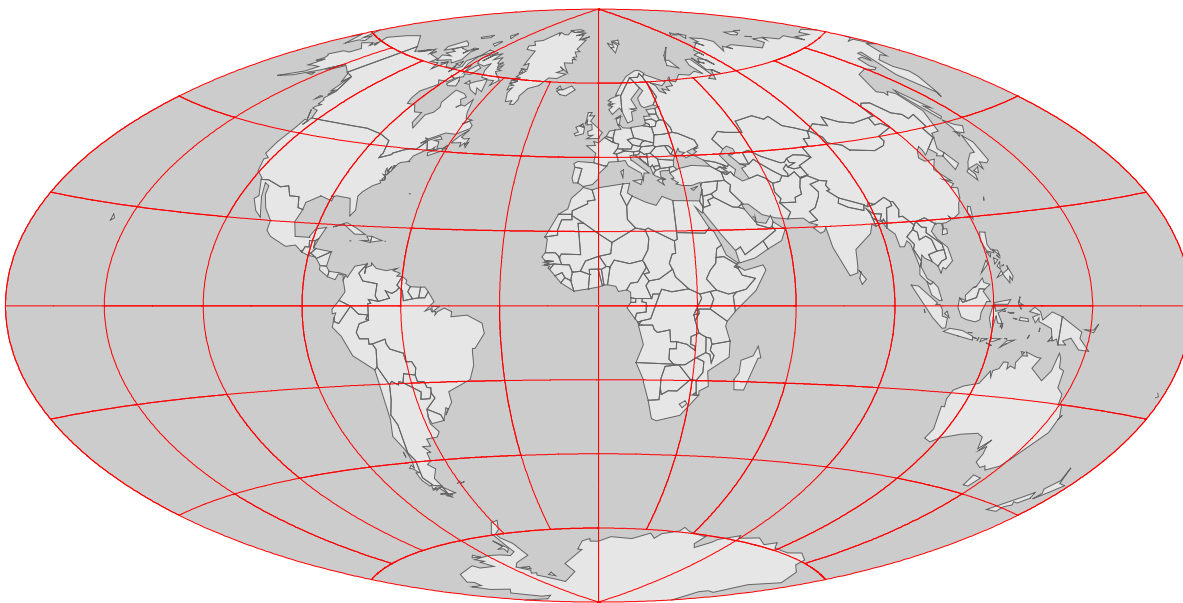


18.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	30 N	31 E
2.	15 S	28 E
3.	54 N	28 E
4.	18 N	16 W
5.	57 N	24 E
6.	10 N	84 W
7.	18 S	178 E
8.	36 N	51 E
9.	55 N	25 E
10.	38 N	122 W

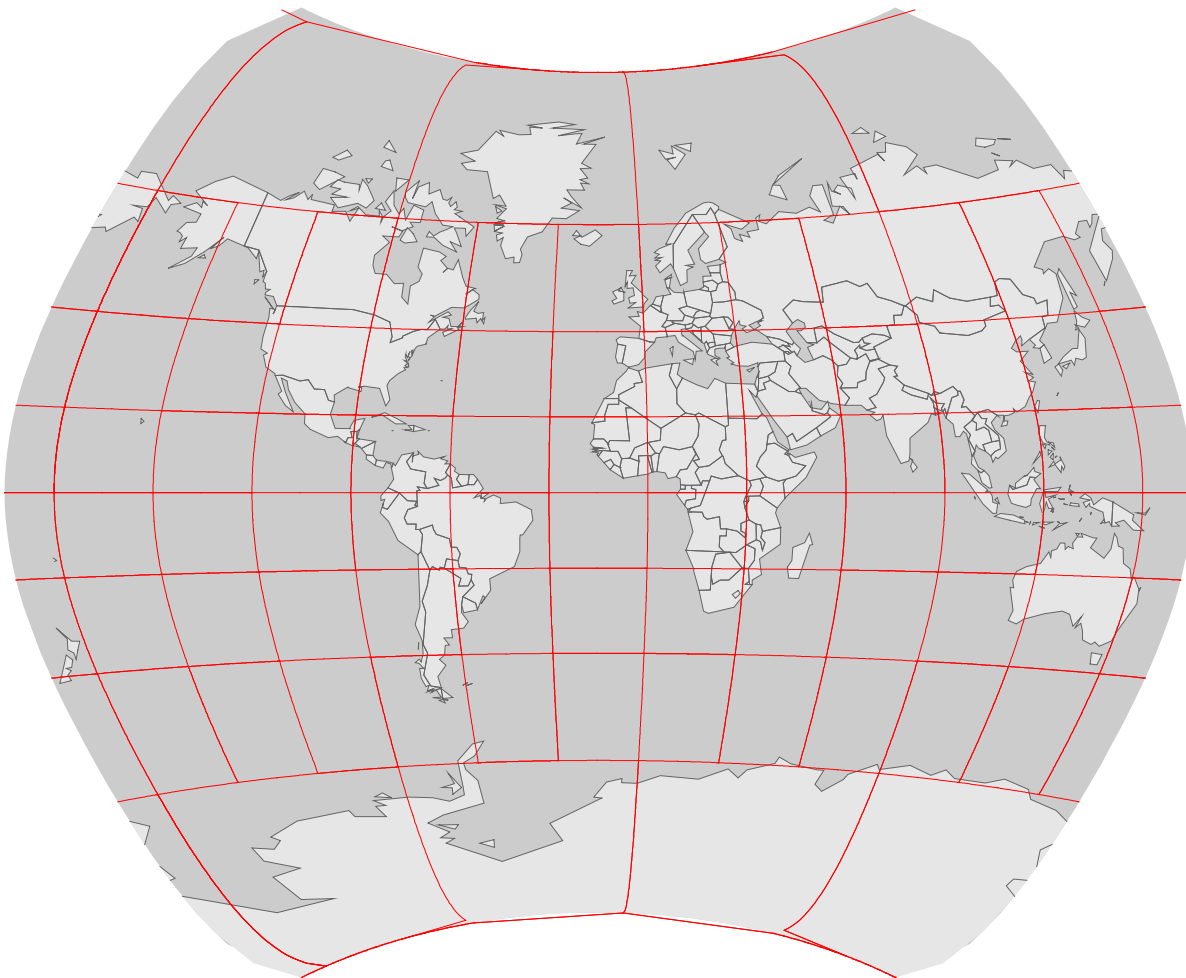


19.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	40 N	50 E
2.	51 N	7 E
3.	48 N	19 E
4.	34 N	73 E
5.	12 N	86 W
6.	2 N	45 E
7.	29 N	77 E
8.	15 N	61 W
9.	43 N	23 E
10.	18 N	63 W

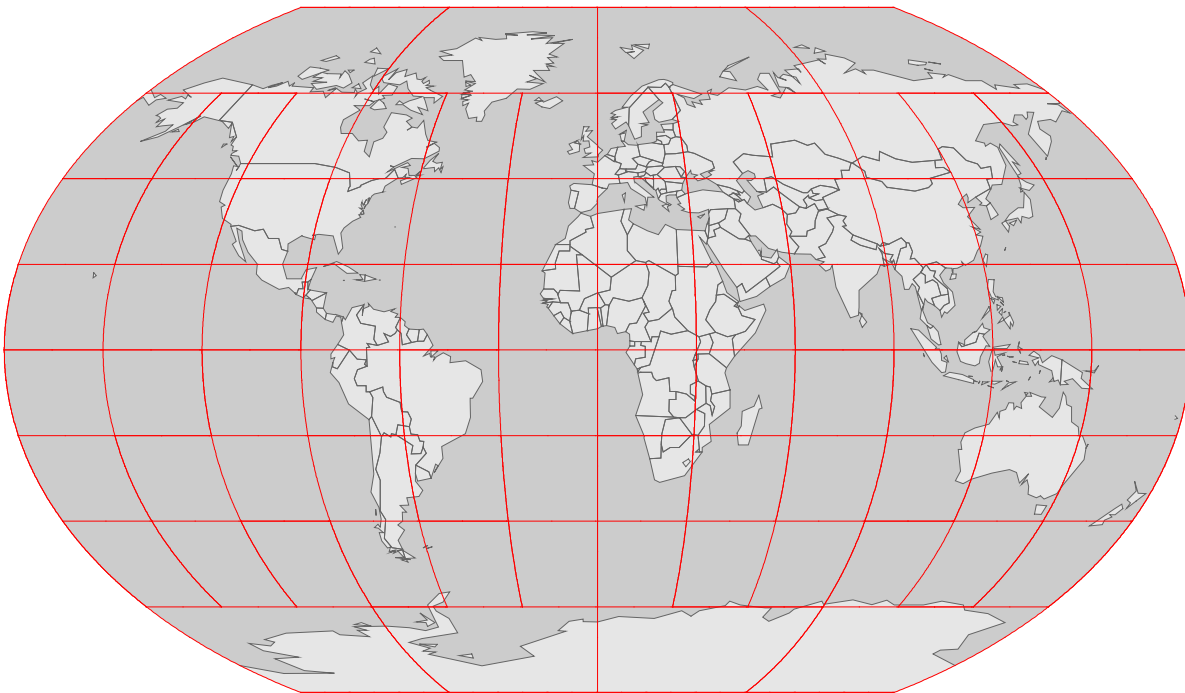


20.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	43 N	2 E
2.	14 S	172 W
3.	5 N	115 E
4.	48 N	17 E
5.	44 N	26 E
6.	46 N	6 E
7.	6 N	3 E
8.	52 N	0 W
9.	57 N	24 E
10.	18 N	103 E

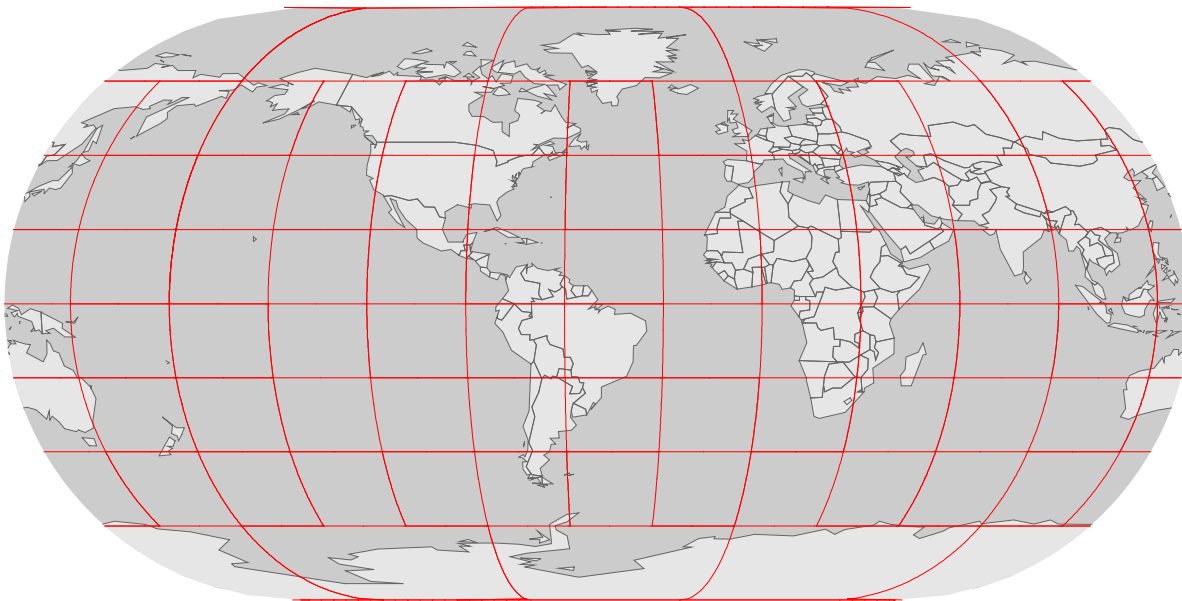


21.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	17 N	63 W
2.	25 N	52 E
3.	46 N	6 E E
4.	15 N	90 W
5.	26 S	33 E
6.	18 N	16 W
7.	21 S	56 E
8.	42 N	45 E
9.	49 N	123 W
10.	33 N	97 W

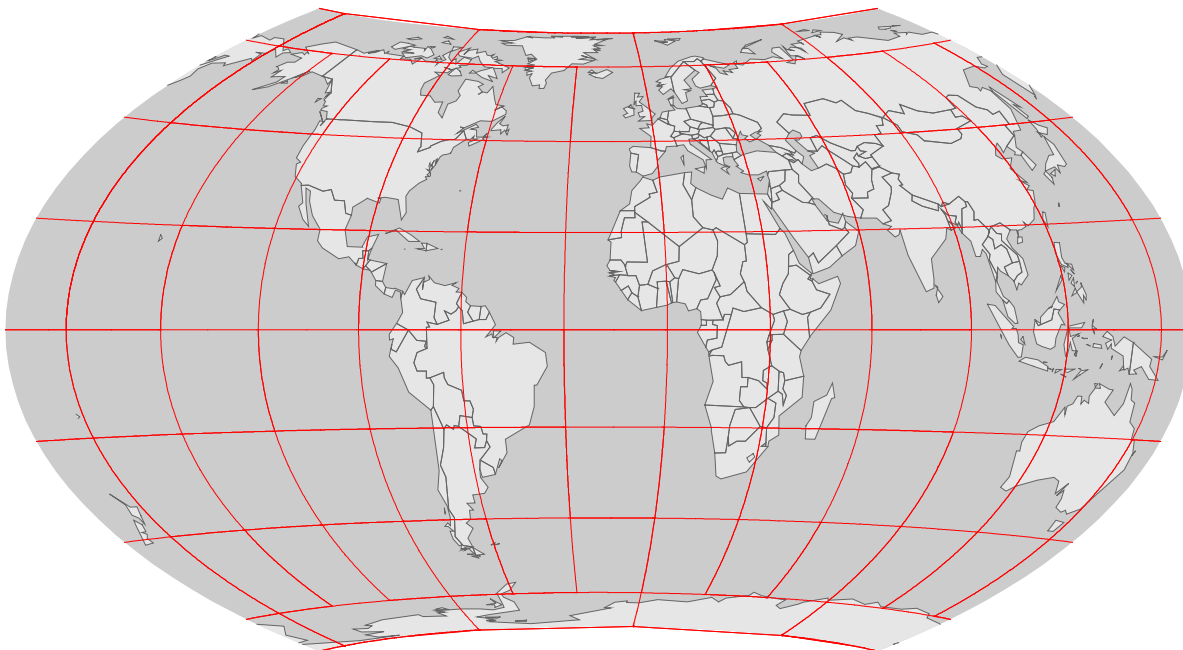


22.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	43 N	77 E
2.	40 N	116 E
3.	46 N	15 E
4.	29 S	28 E
5.	40 N	116 E
6.	32 S	116 E
7.	33 S	71 W
8.	24 S	47 W
9.	45 N	93 W
10.	18 N	66 W



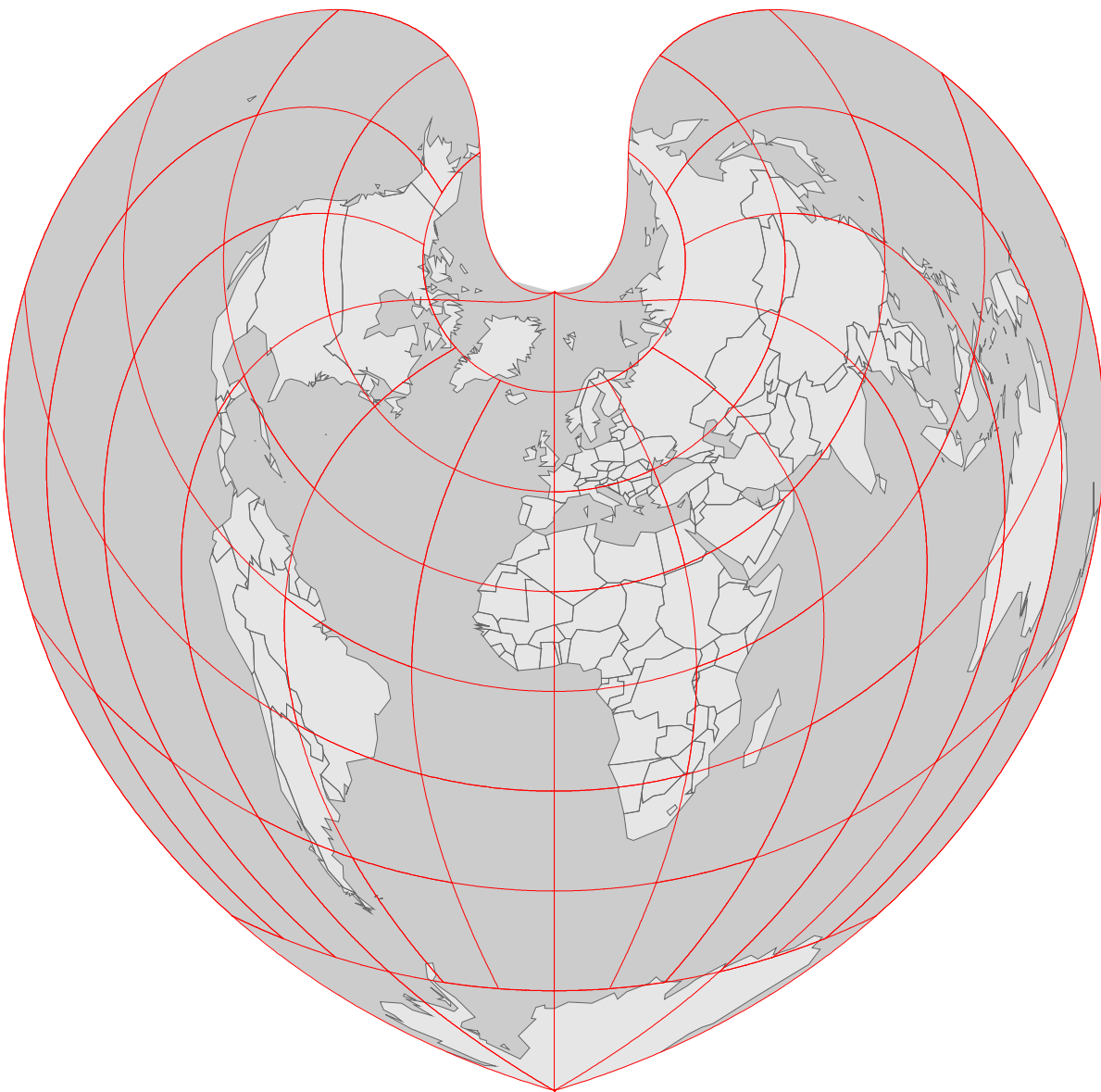


23.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	7 N	80 E
2.	16 N	33 E
3.	12 S	77 W
4.	46 N	15 E
5.	39 N	126 E
6.	57 N	24 E
7.	31 N	122 E
8.	42 N	45 E
9.	12 N	69 W
10.	37 N	122 W

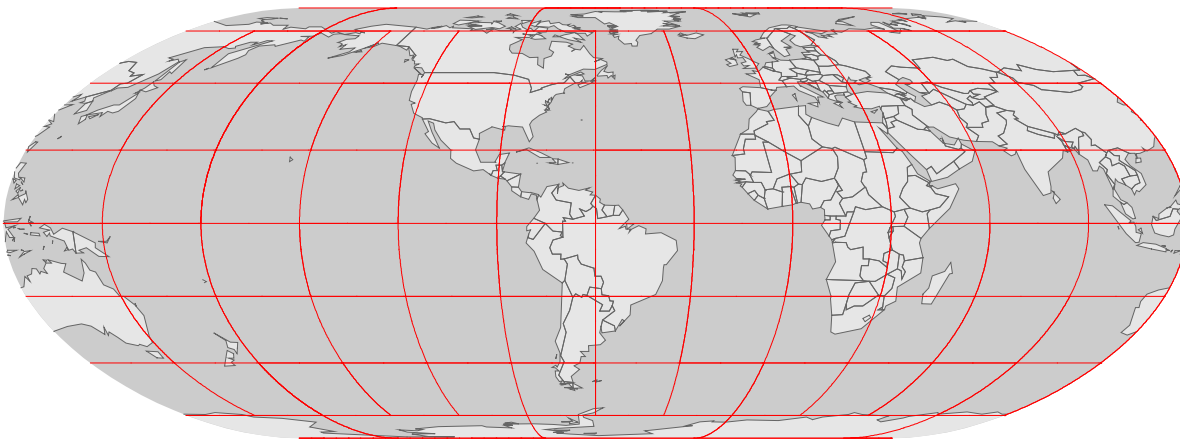


24.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	24 N	54 E
2.	33 N	44 E
3.	40 N	116 E
4.	17 N	88 W
5.	53 N	13 E
6.	48 N	19 E
7.	7 N	80 E
8.	9 S	160 E
9.	40 N	116 E
10.	17 N	25 W

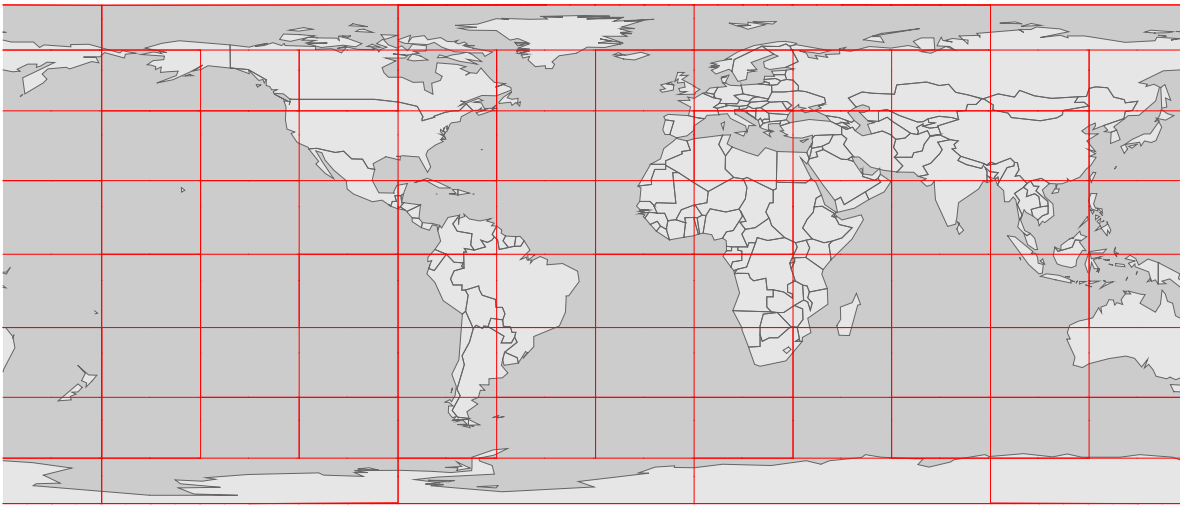


25.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	22 N	114 E
2.	46 N	74 W
3.	13 N	2 E
4.	50 N	14 E
5.	14 N	89 W
6.	59 N	25 E
7.	26 N	80 W
8.	18 N	65 W
9.	39 N	90 W
10.	18 N	66 W

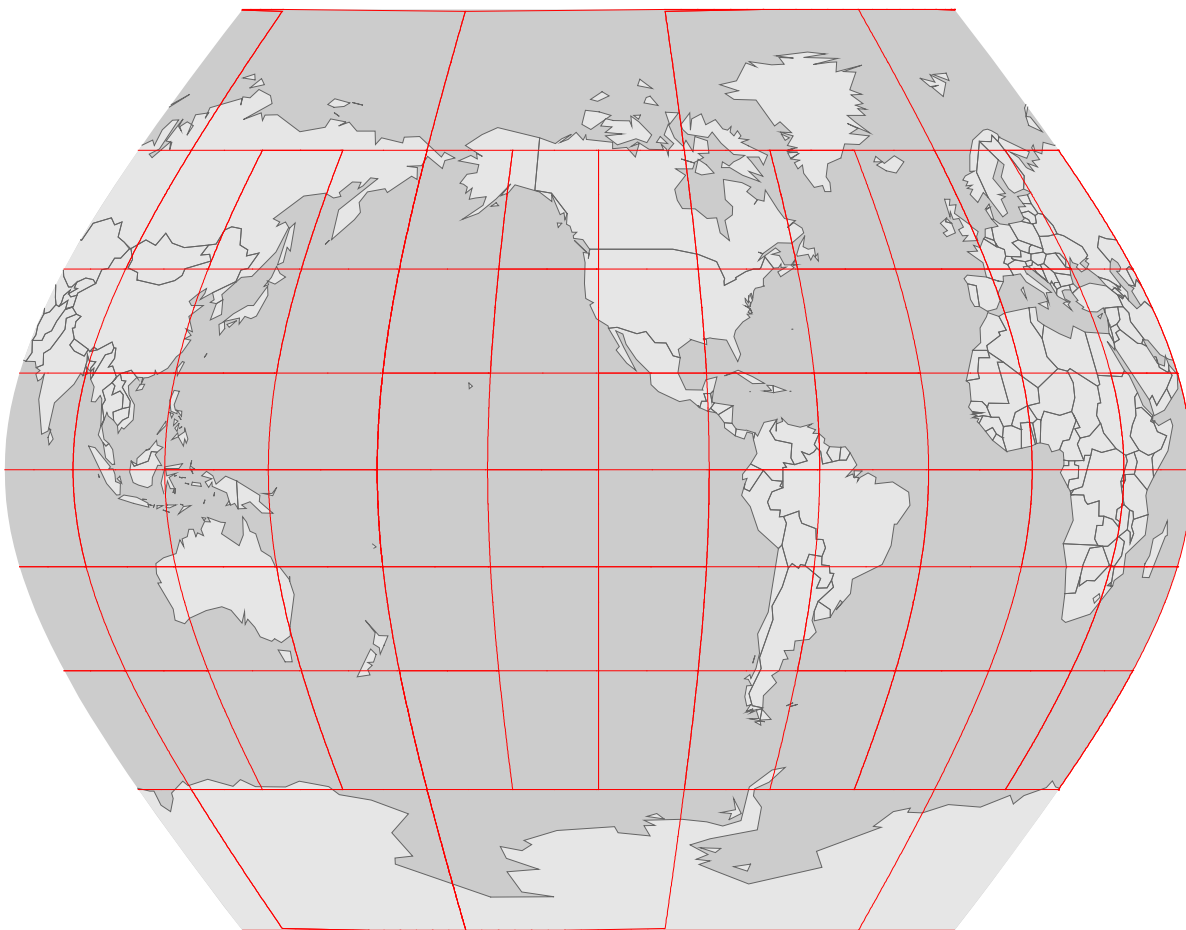


26.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	24 N	54 E
2.	34 N	36 E
3.	25 S	26 E
4.	6 N	3 E
5.	35 S	56 W
6.	12 N	70 W
7.	21 S	56 E
8.	41 S	175 E
9.	45 N	93 W
10.	18 N	66 W

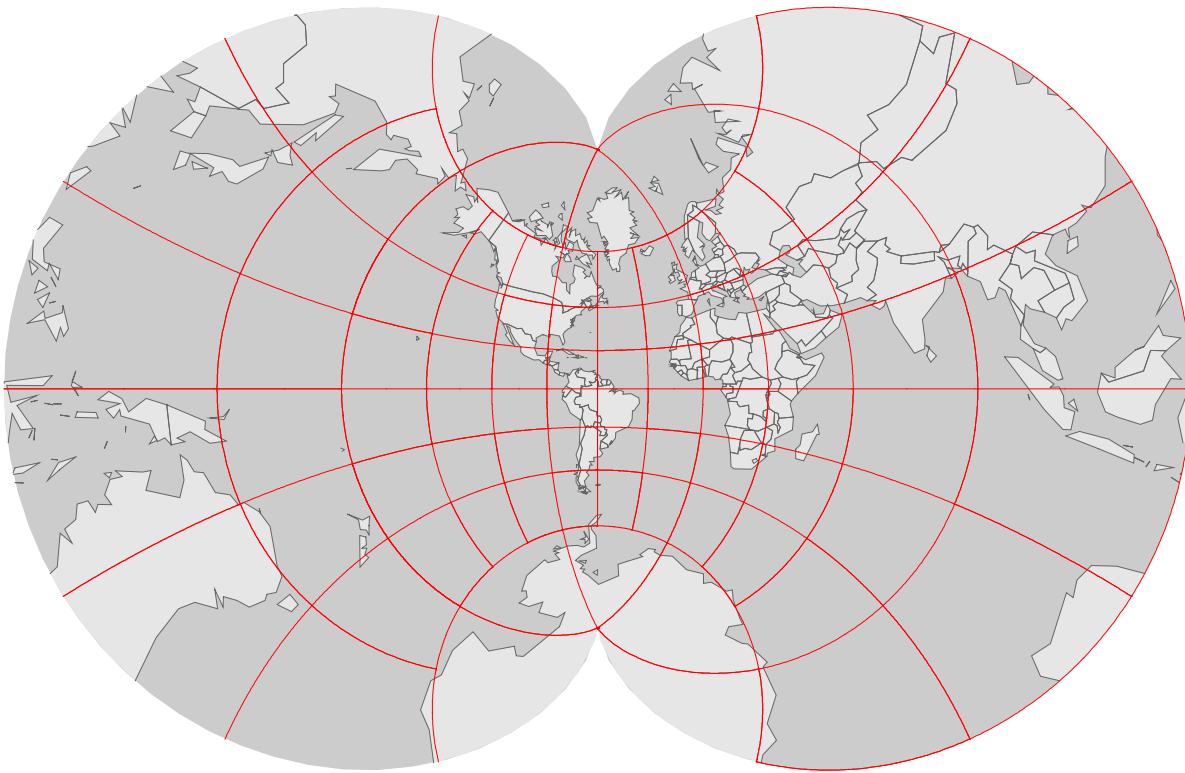


27.

Longitude, Latitude?

On the given map show the following 10 points:

	Latitude	Longitude
1.	19 S	48 E
2.	30 N	31 E
3.	56 N	3 Wtd>
4.	25 S	26 E
5.	13 N	61 W
6.	26 S	31 E
7.	60 N	11 E
8.	44 N	12 E
9.	18 N	70 W
10.	48 N	16 E

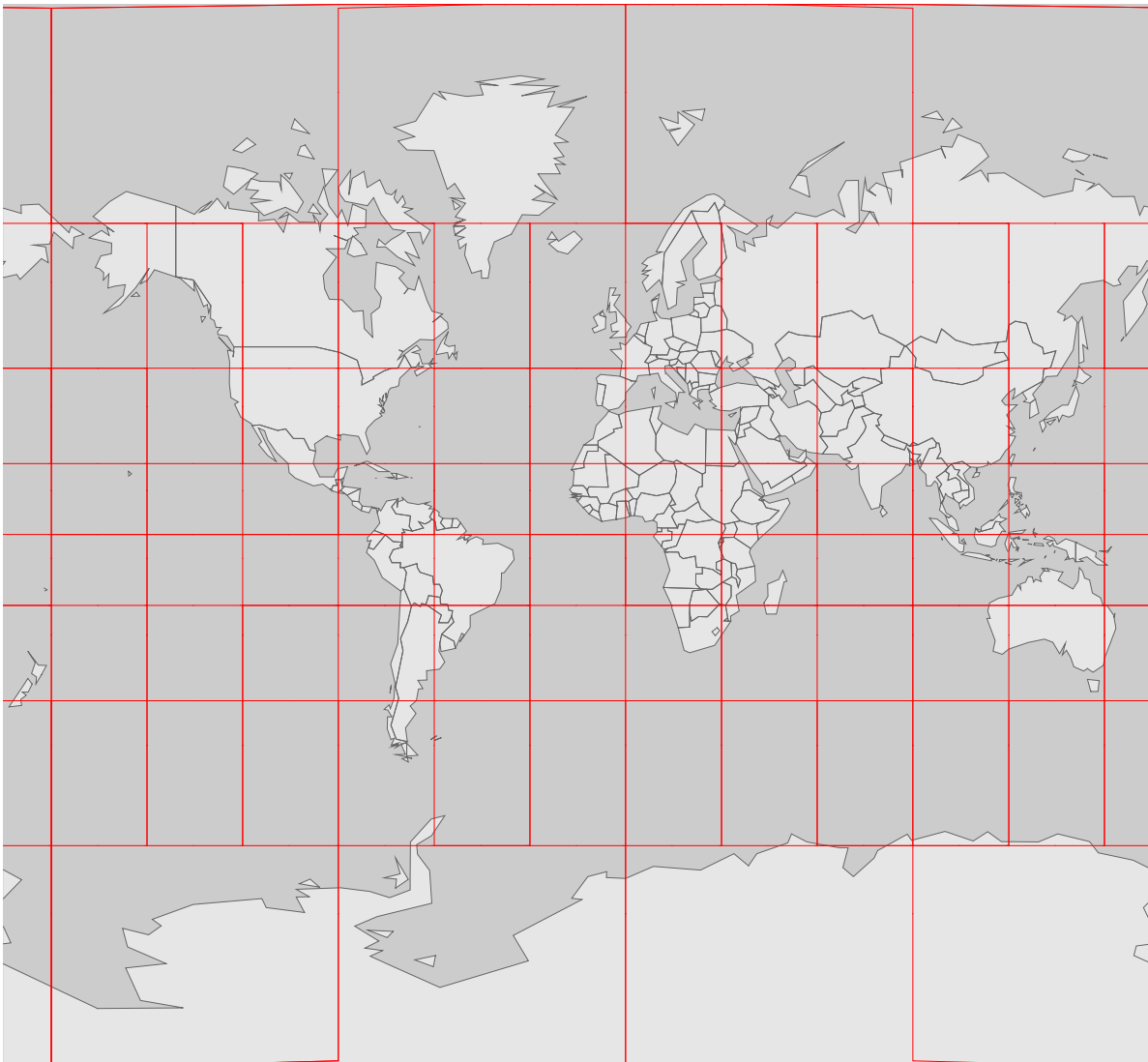


28.

Longitude, Latitude?

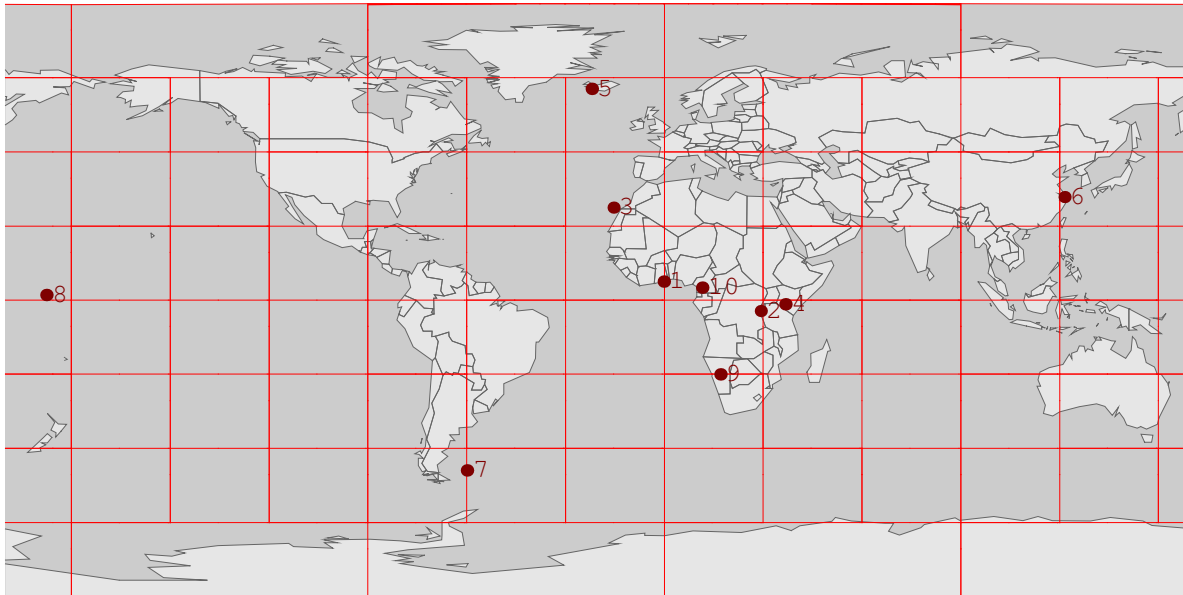
On the given map show the following 10 points:

	Latitude	Longitude
1.	22 N	114 E
2.	15 N	39 E
3.	46 N	6 E
4.	18 N	77 W
5.	7 N	134 E
6.	49 N	2 E
7.	15 N	44 E
8.	28 N	90 E
9.	18 N	103 E
10.	52 N	21 E



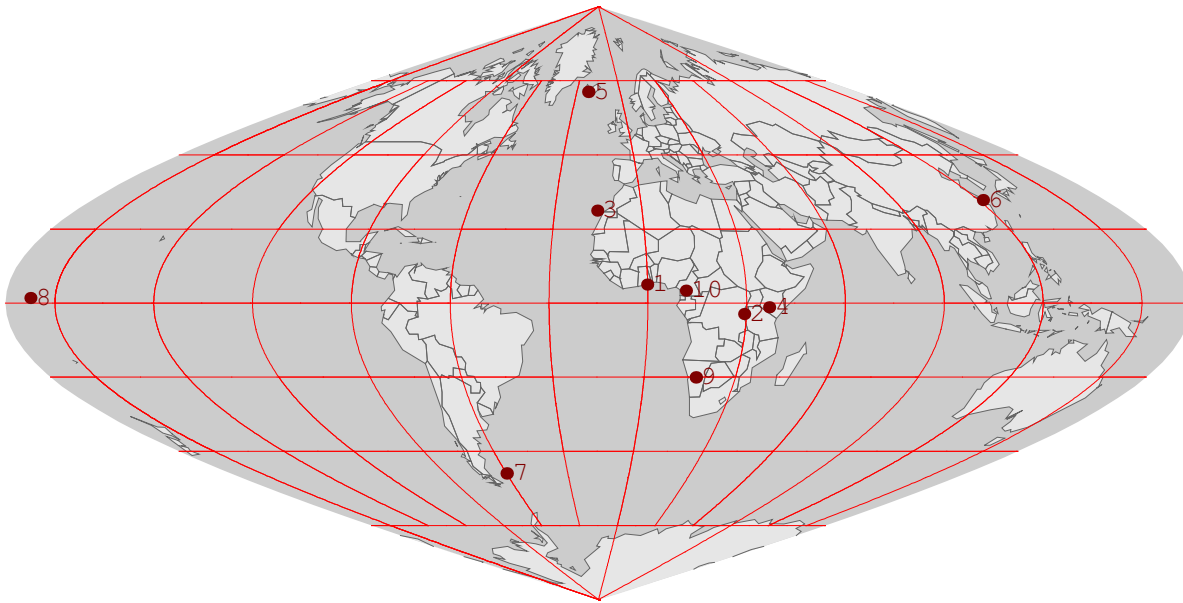
# Solutions

1.

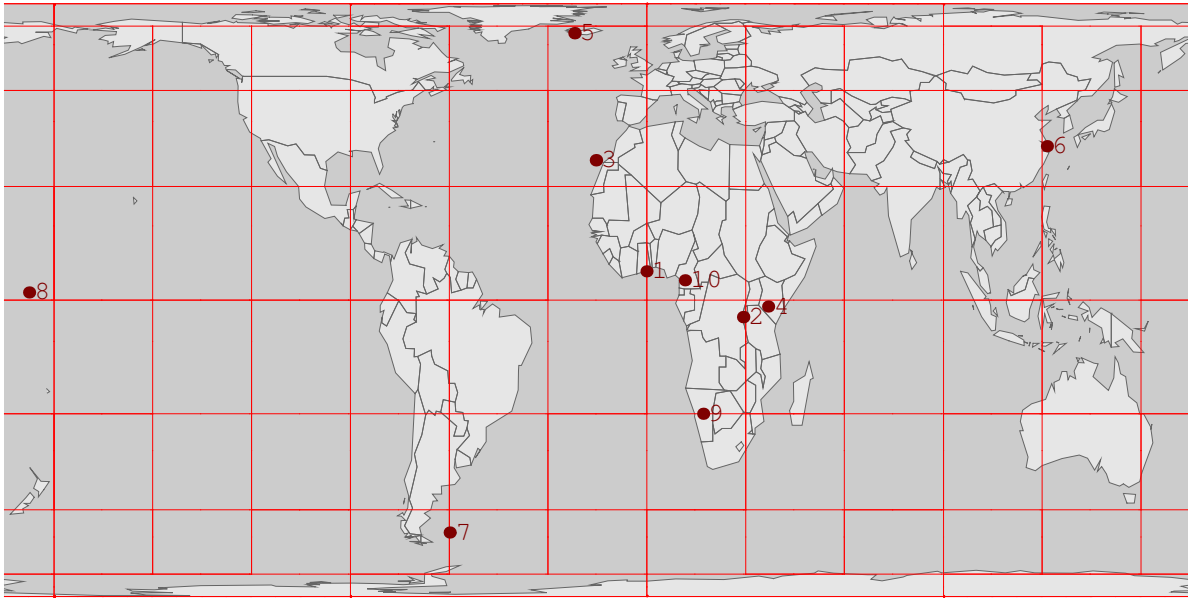




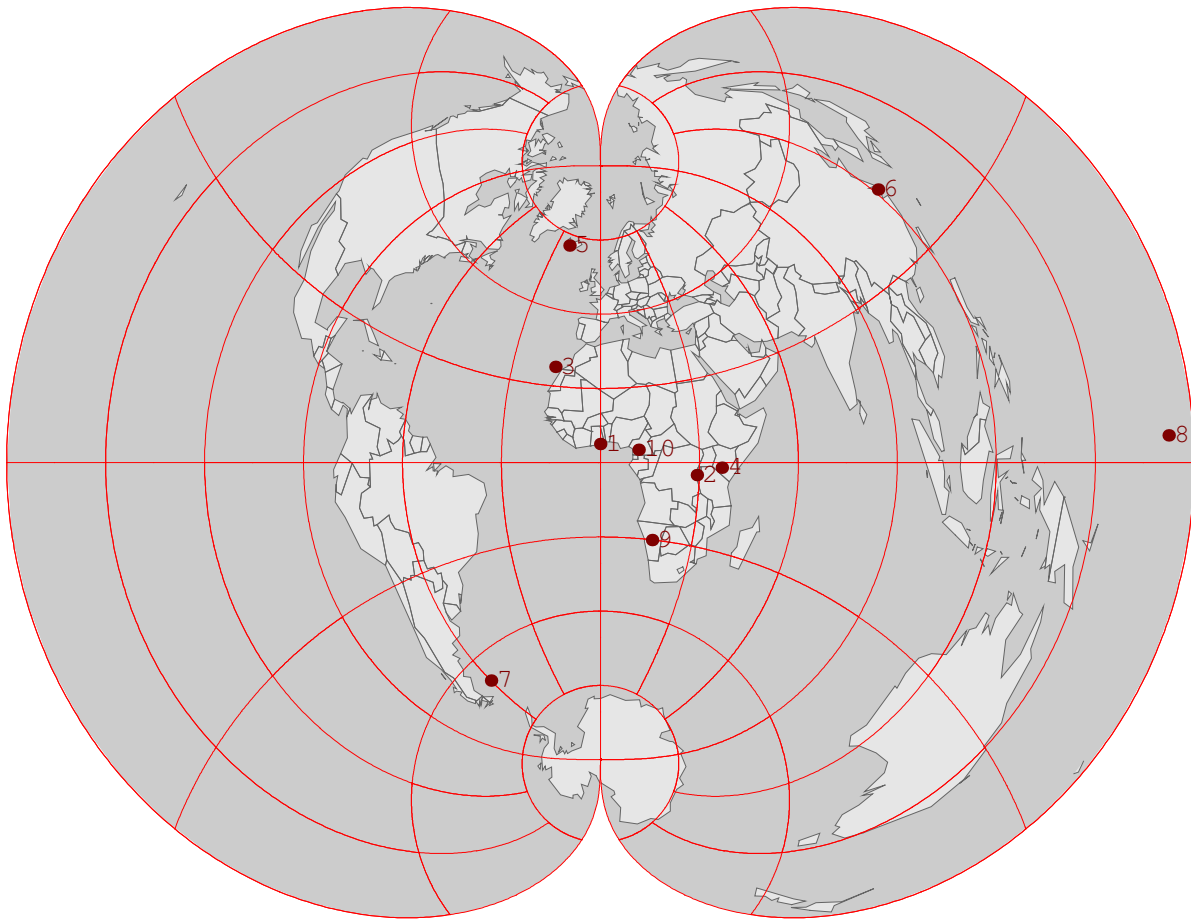
2.



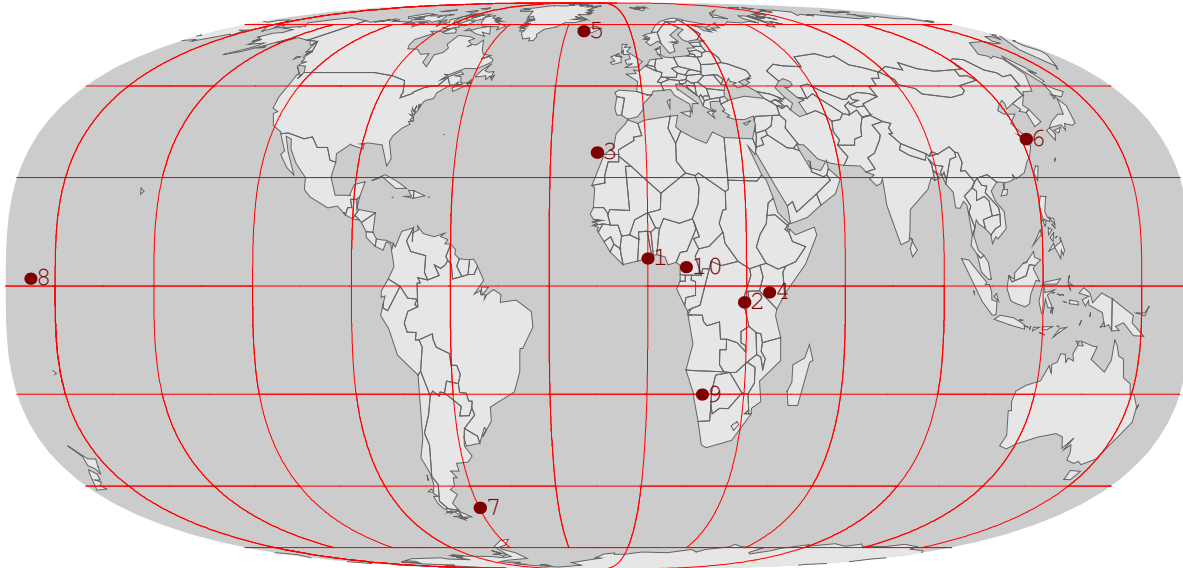
3.



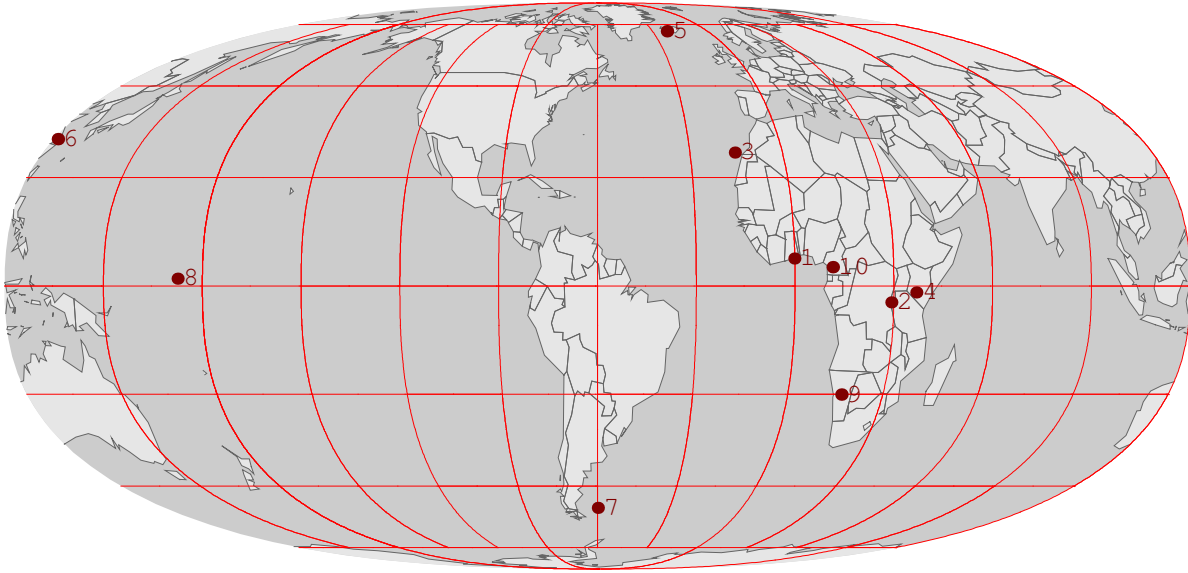
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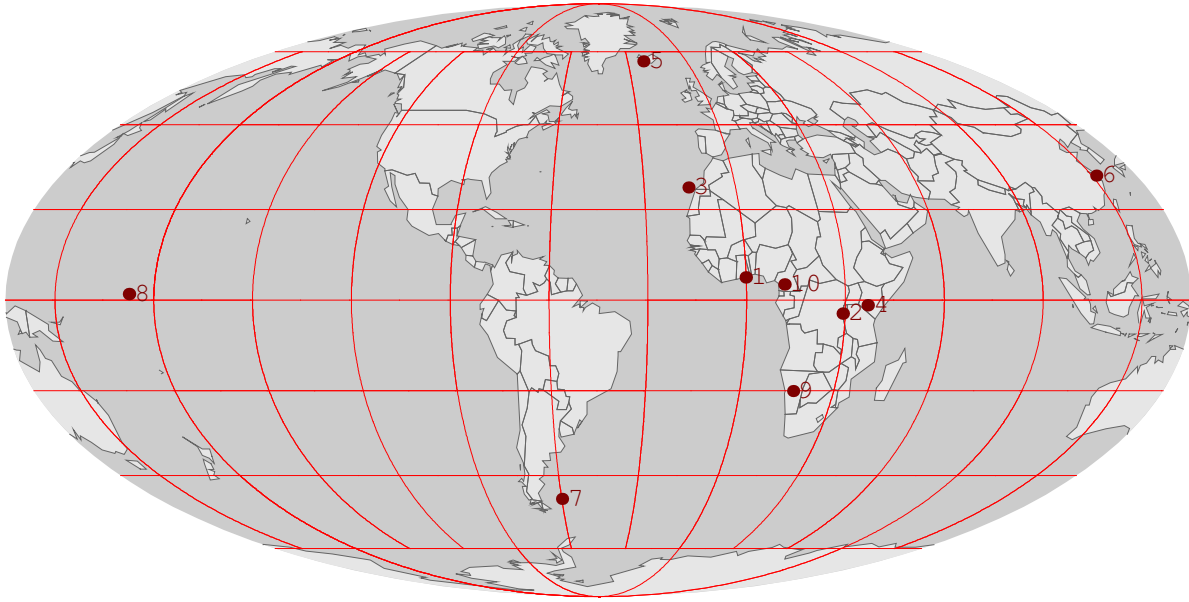
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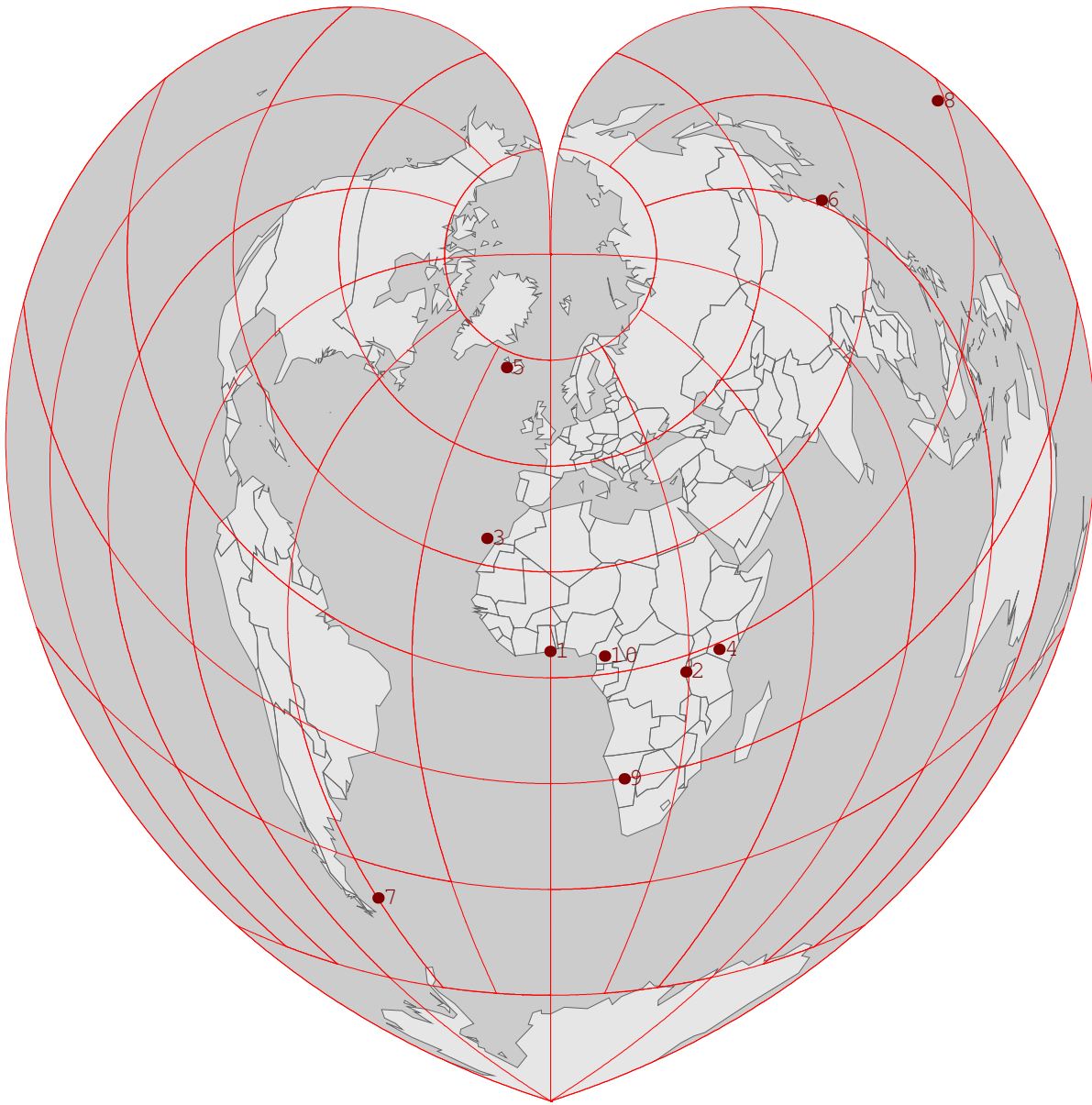
6.



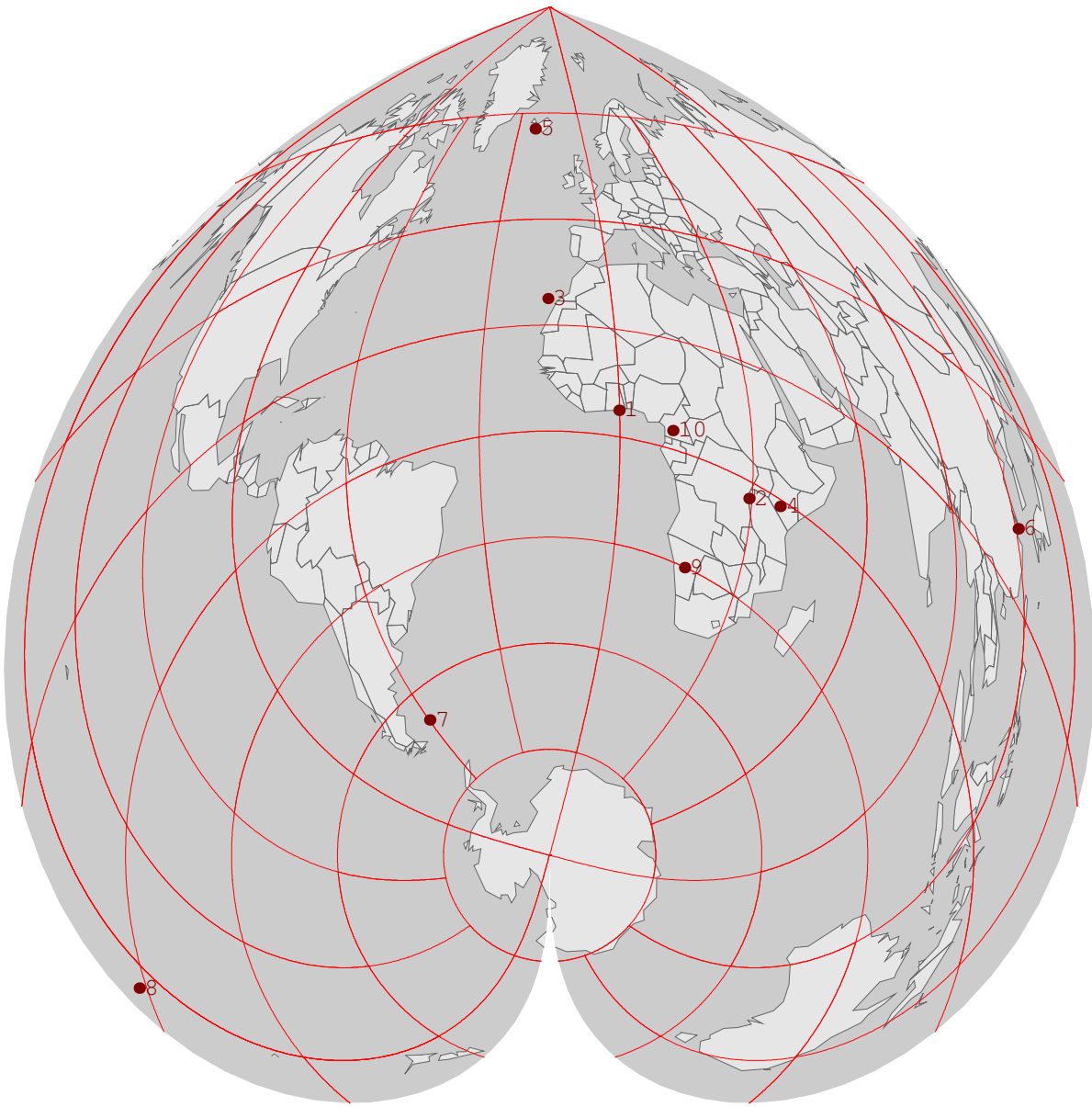
7.



8.

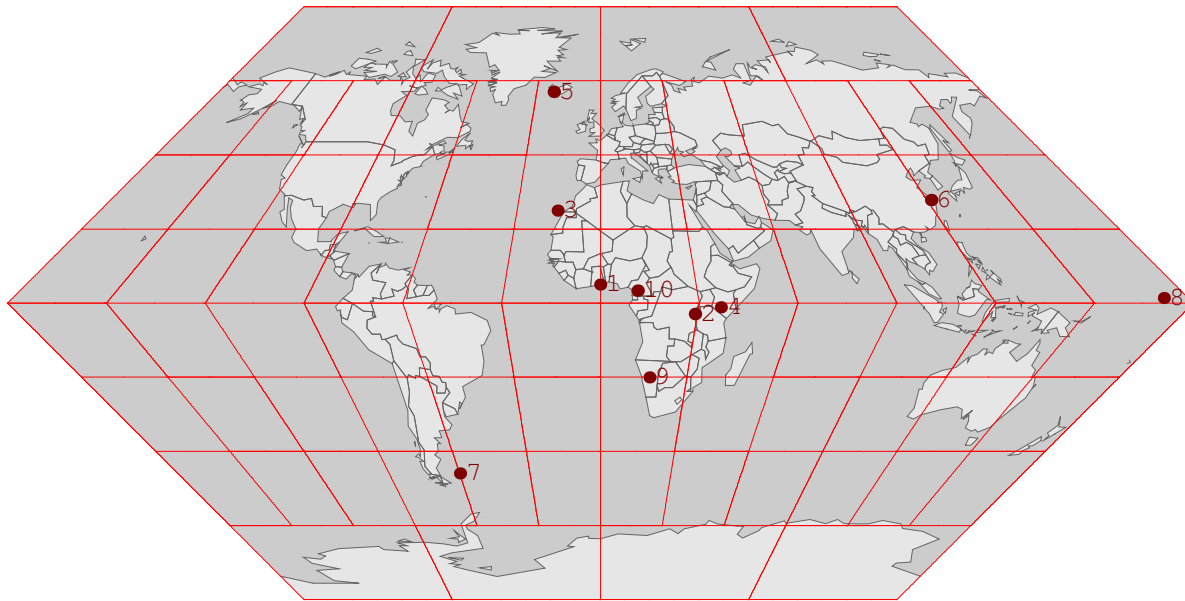


9.

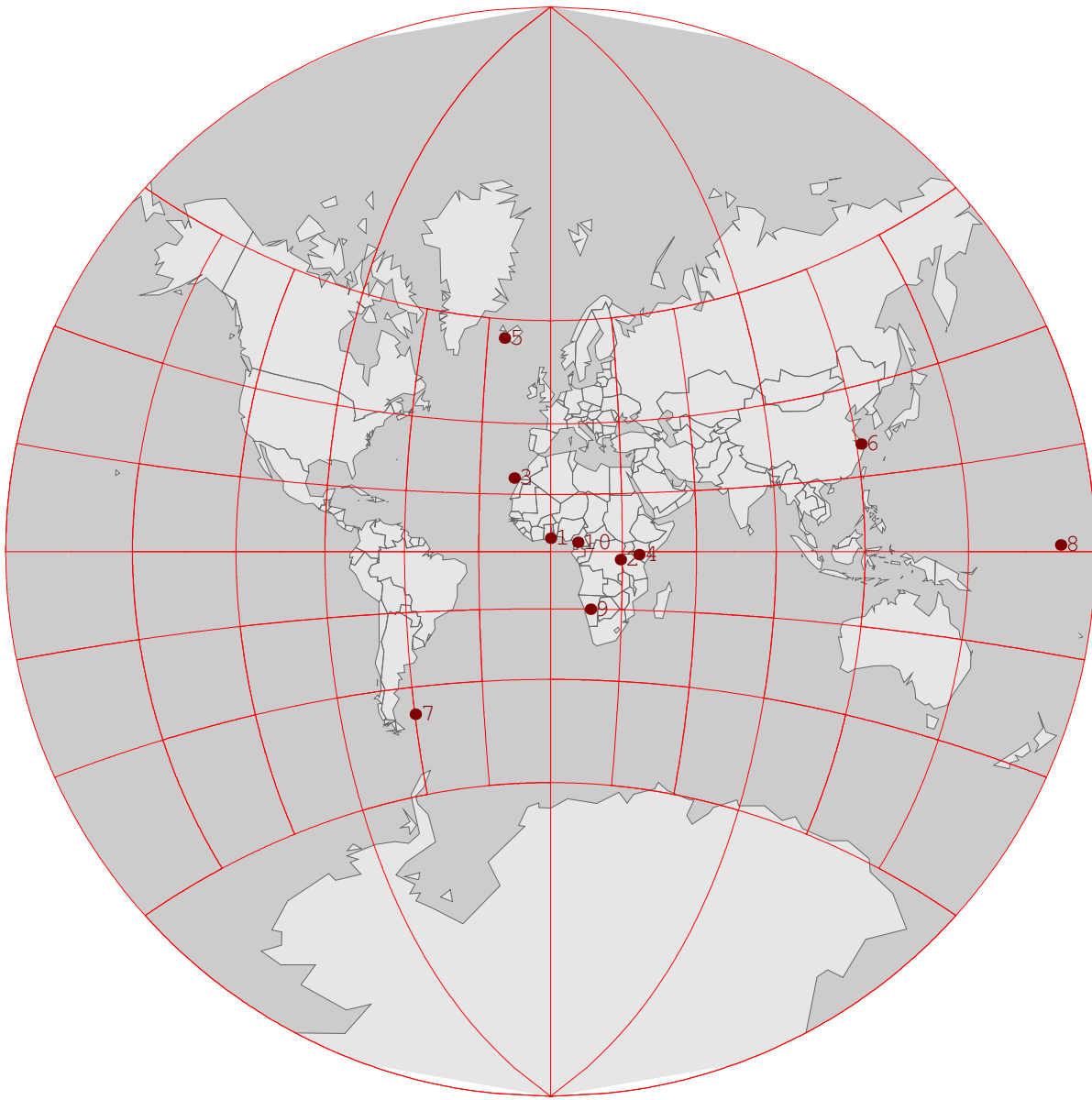




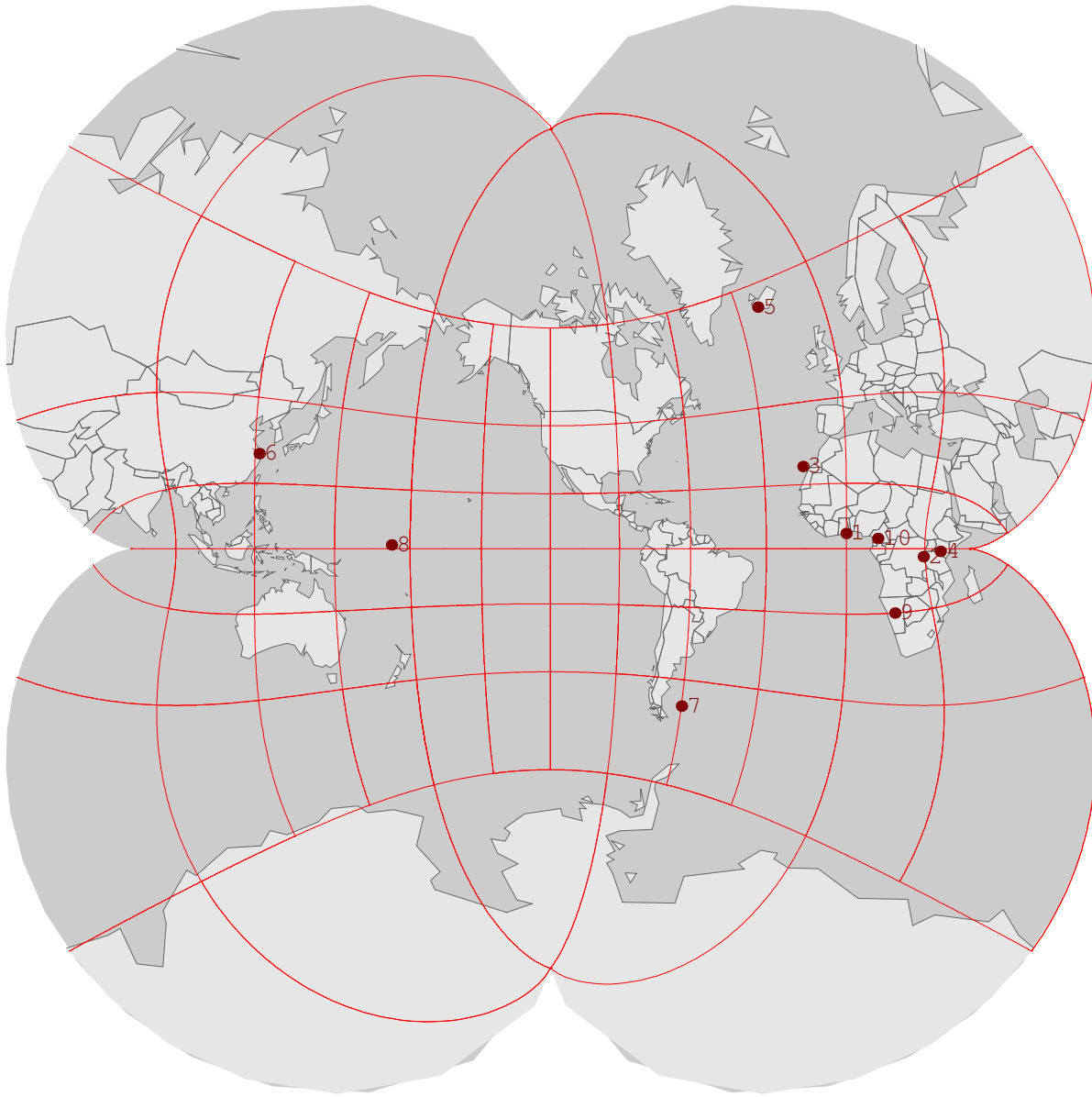
10.



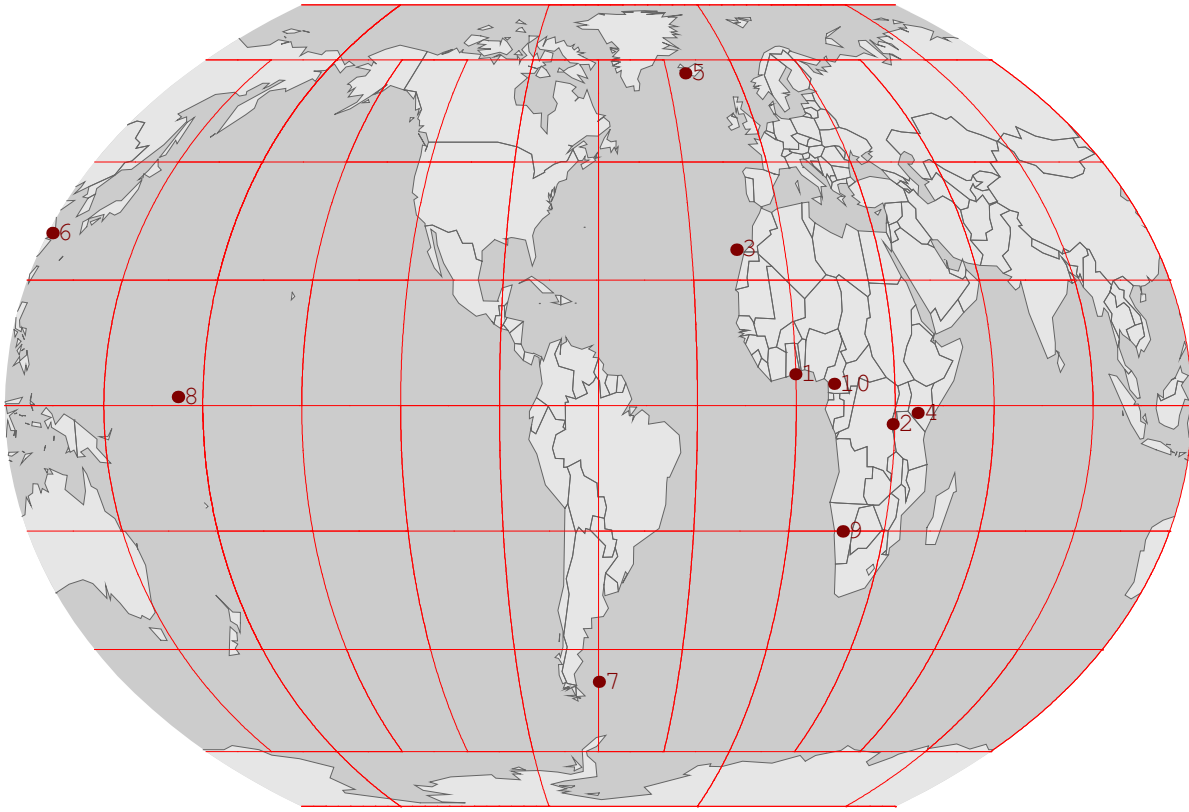
11.



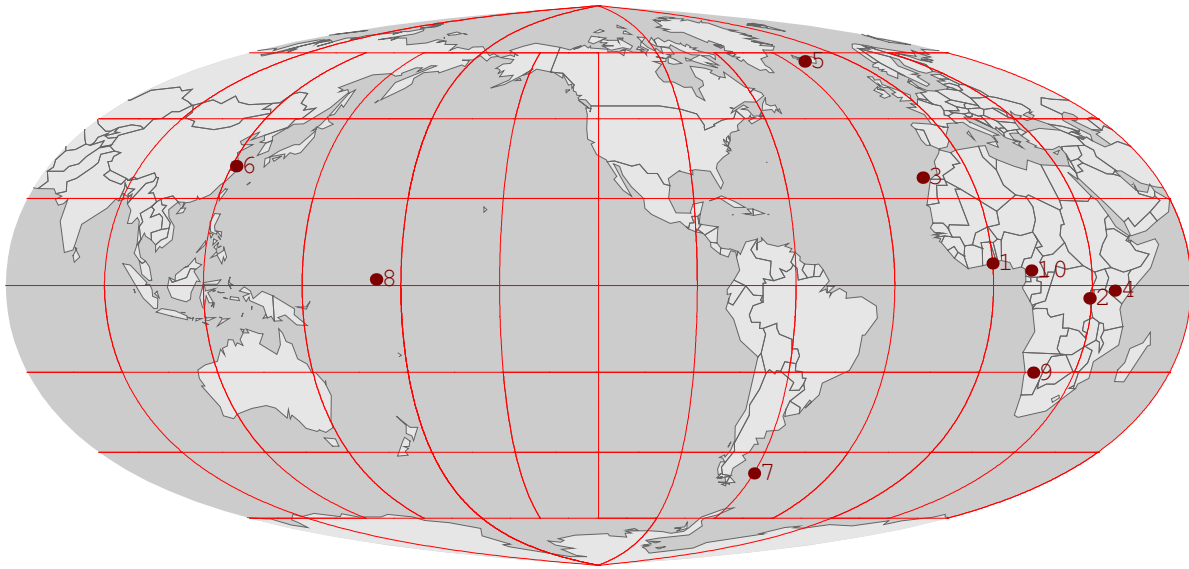
12.



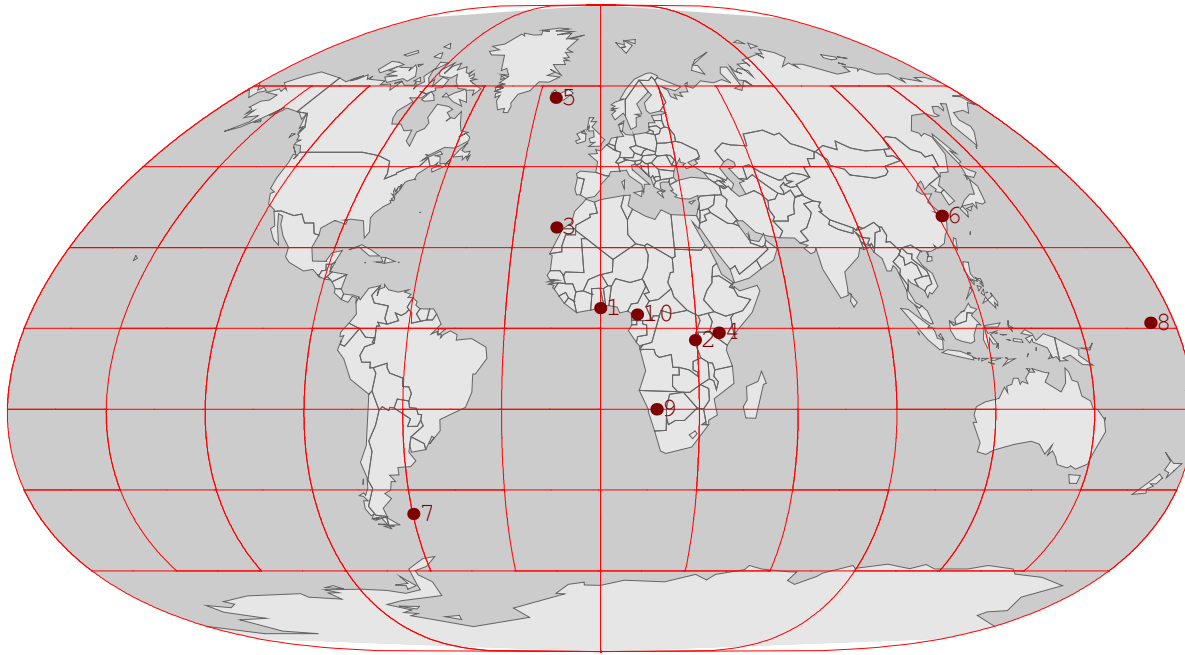
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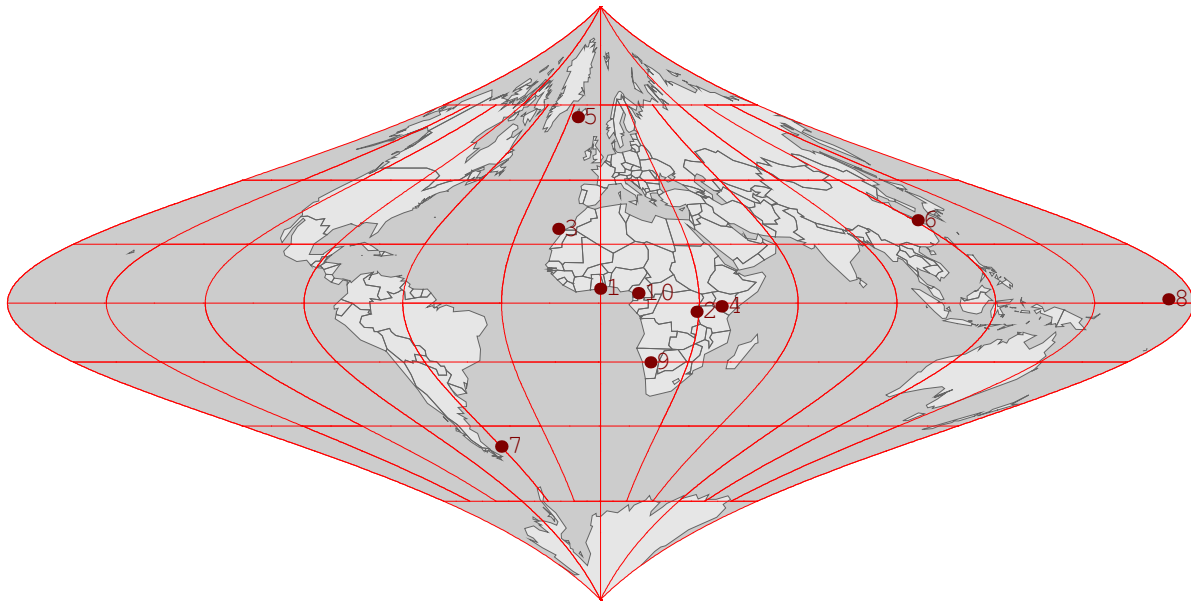
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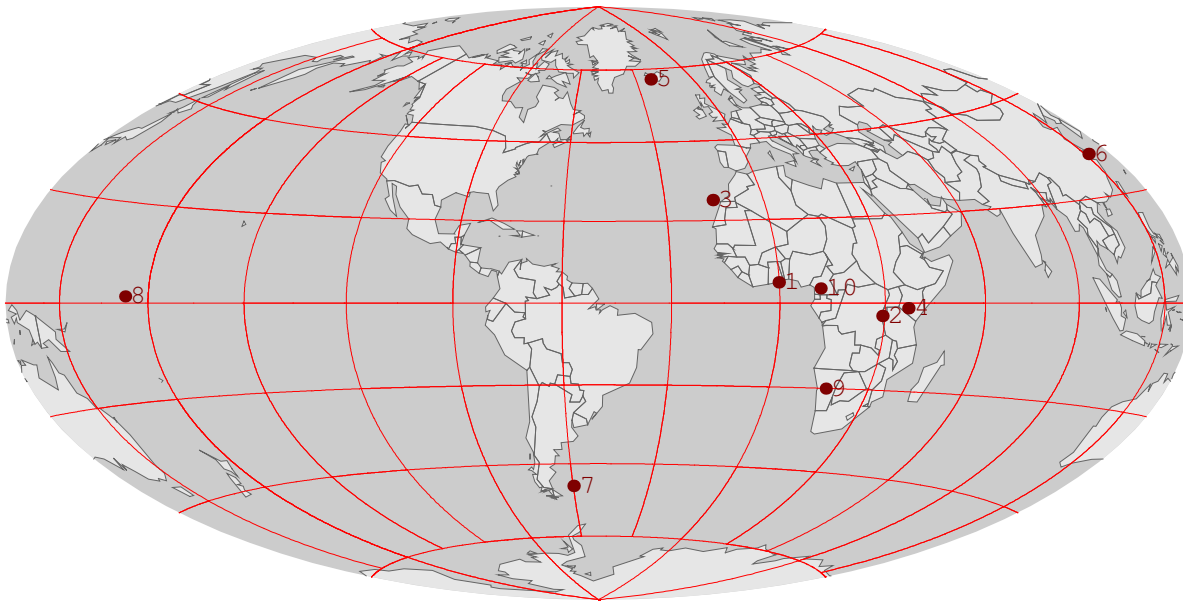
15.



16.

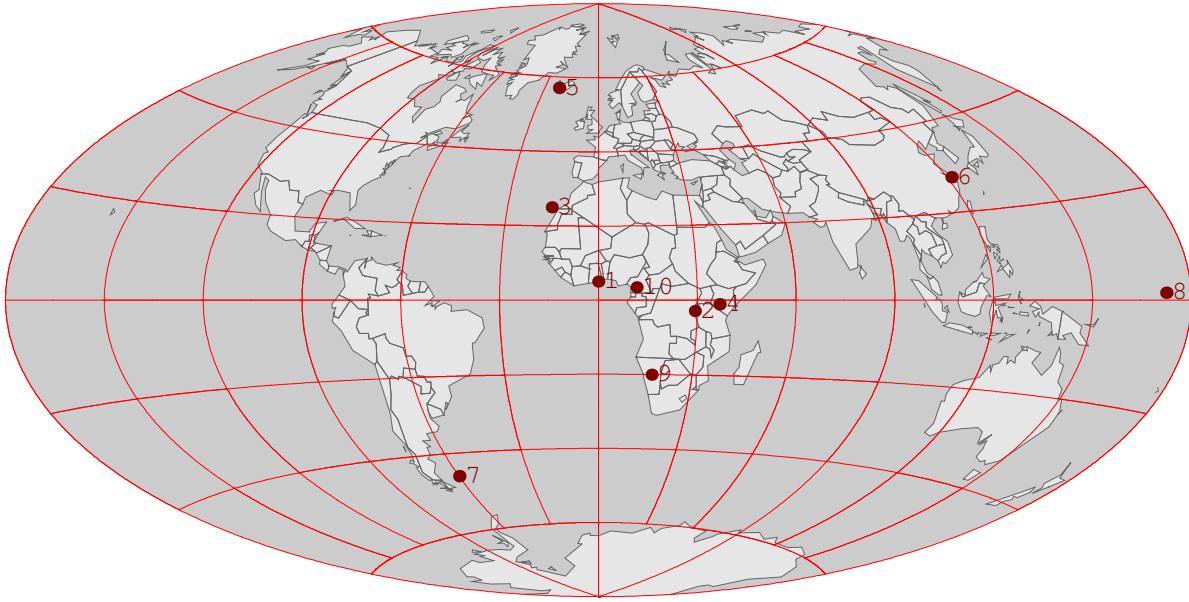


17.

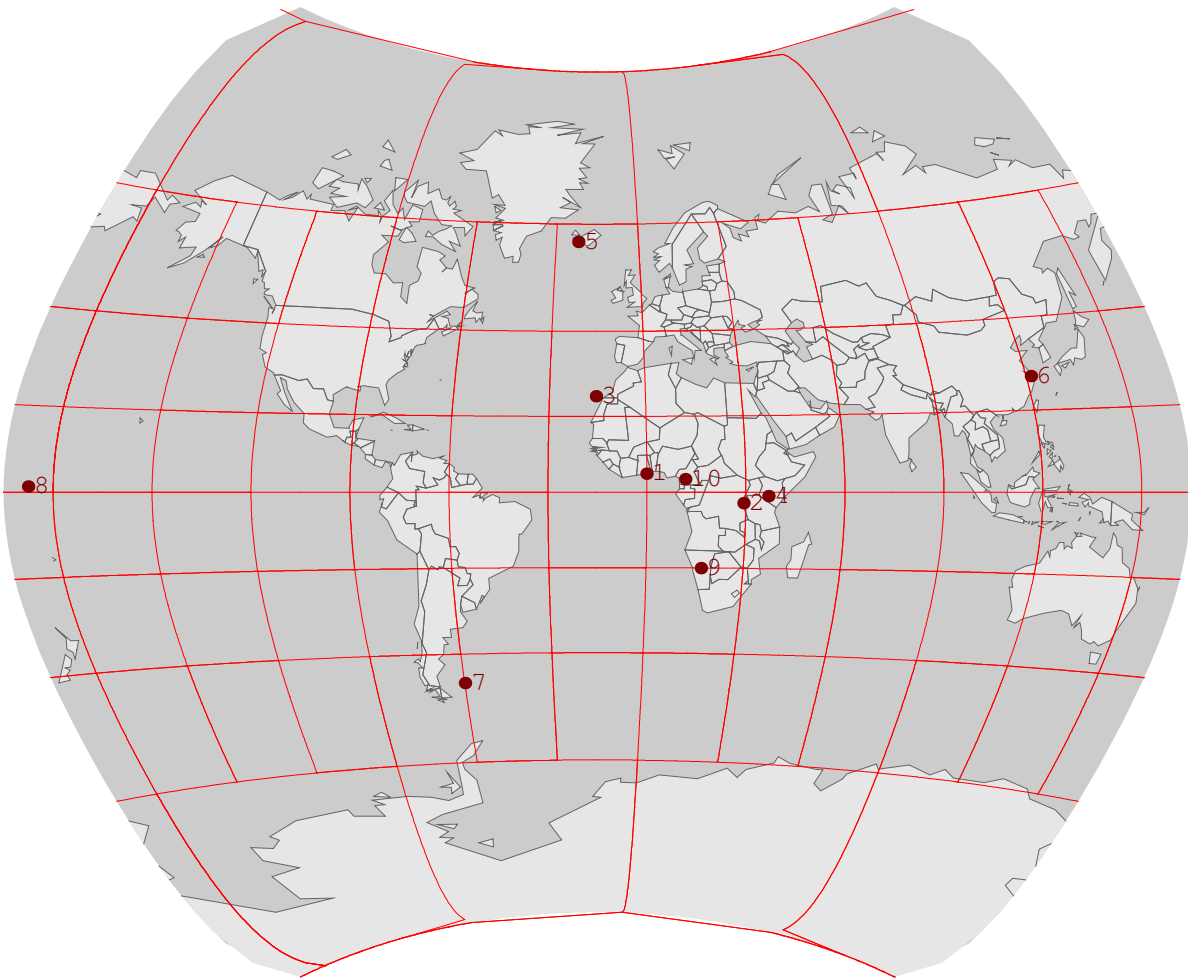




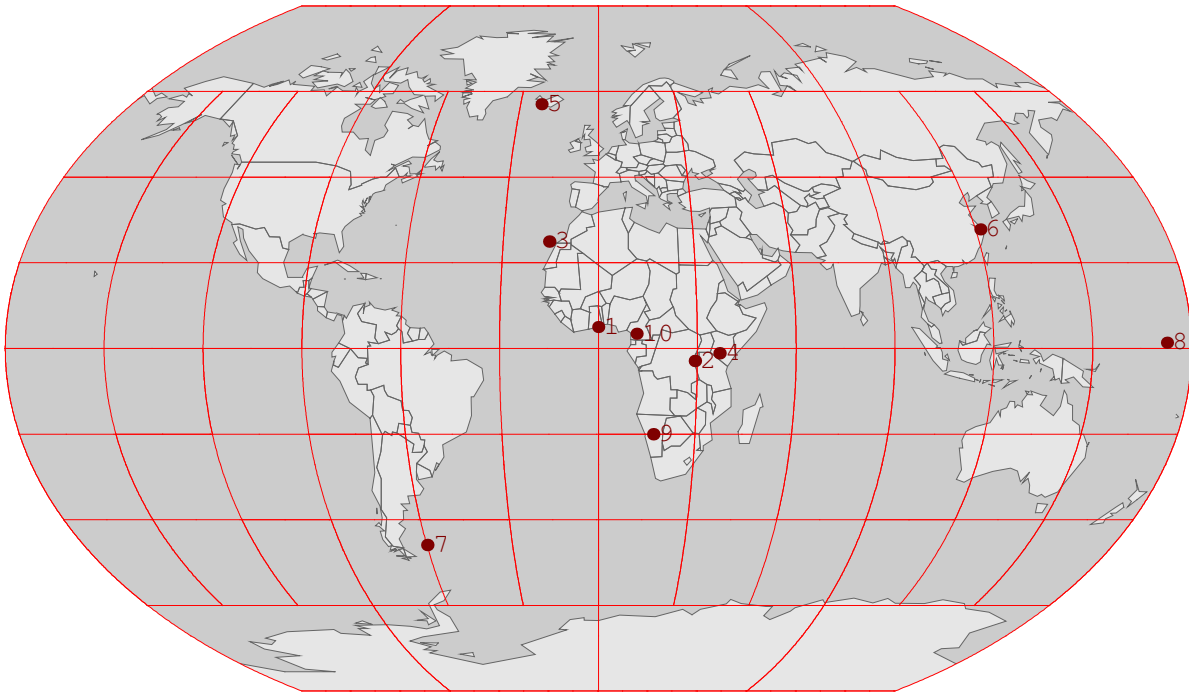
18.



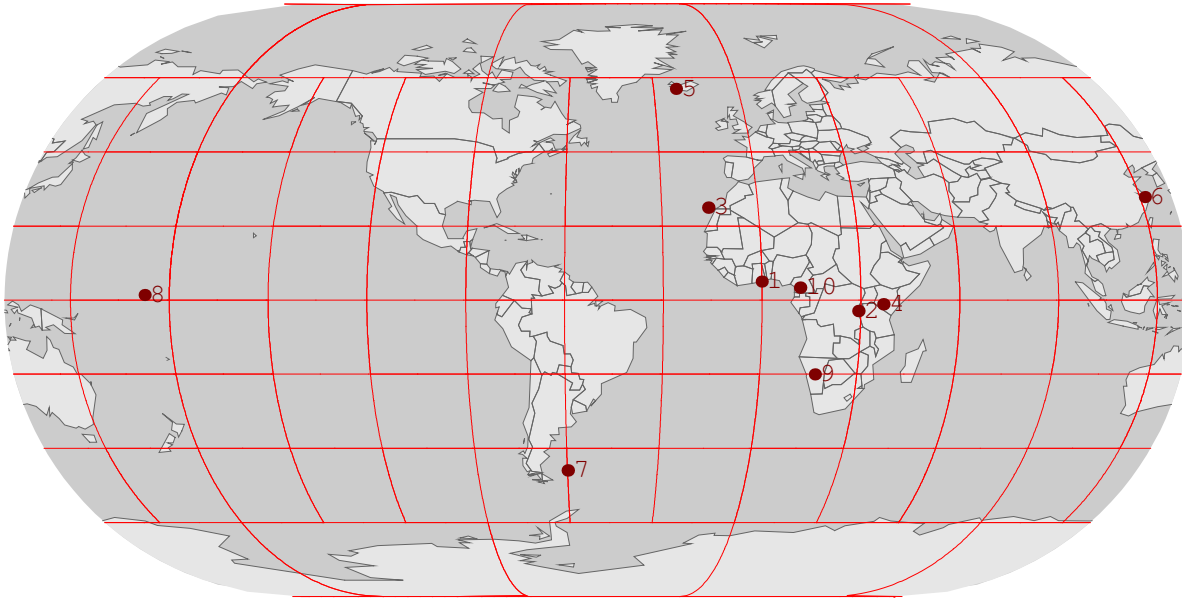
19.



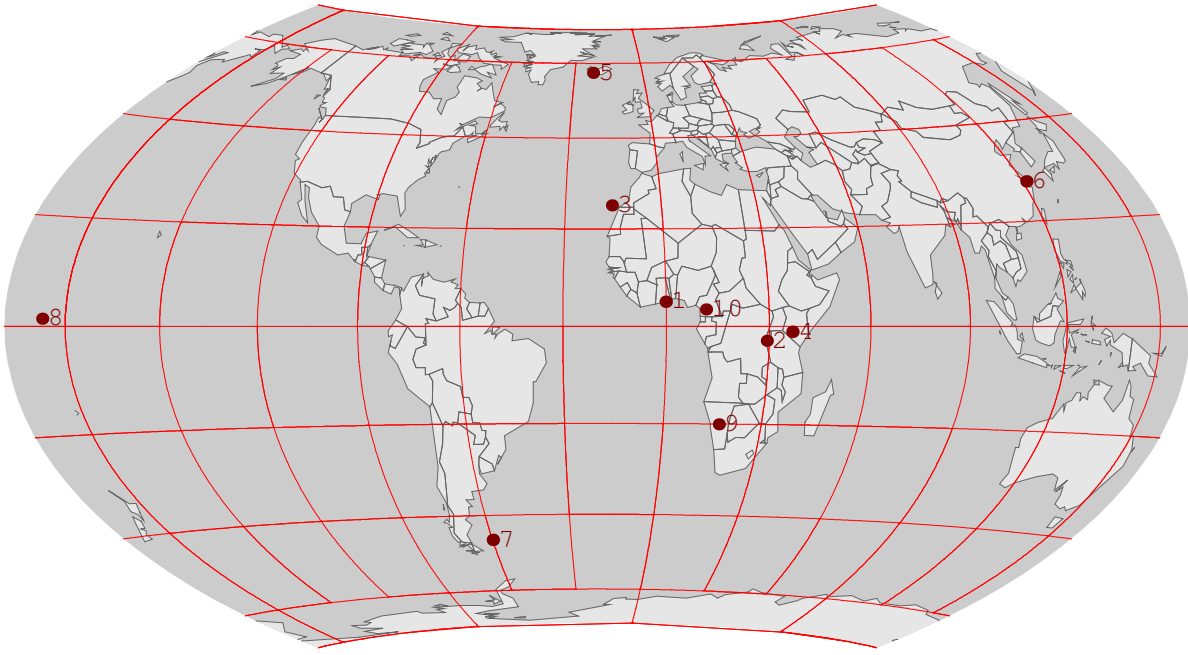
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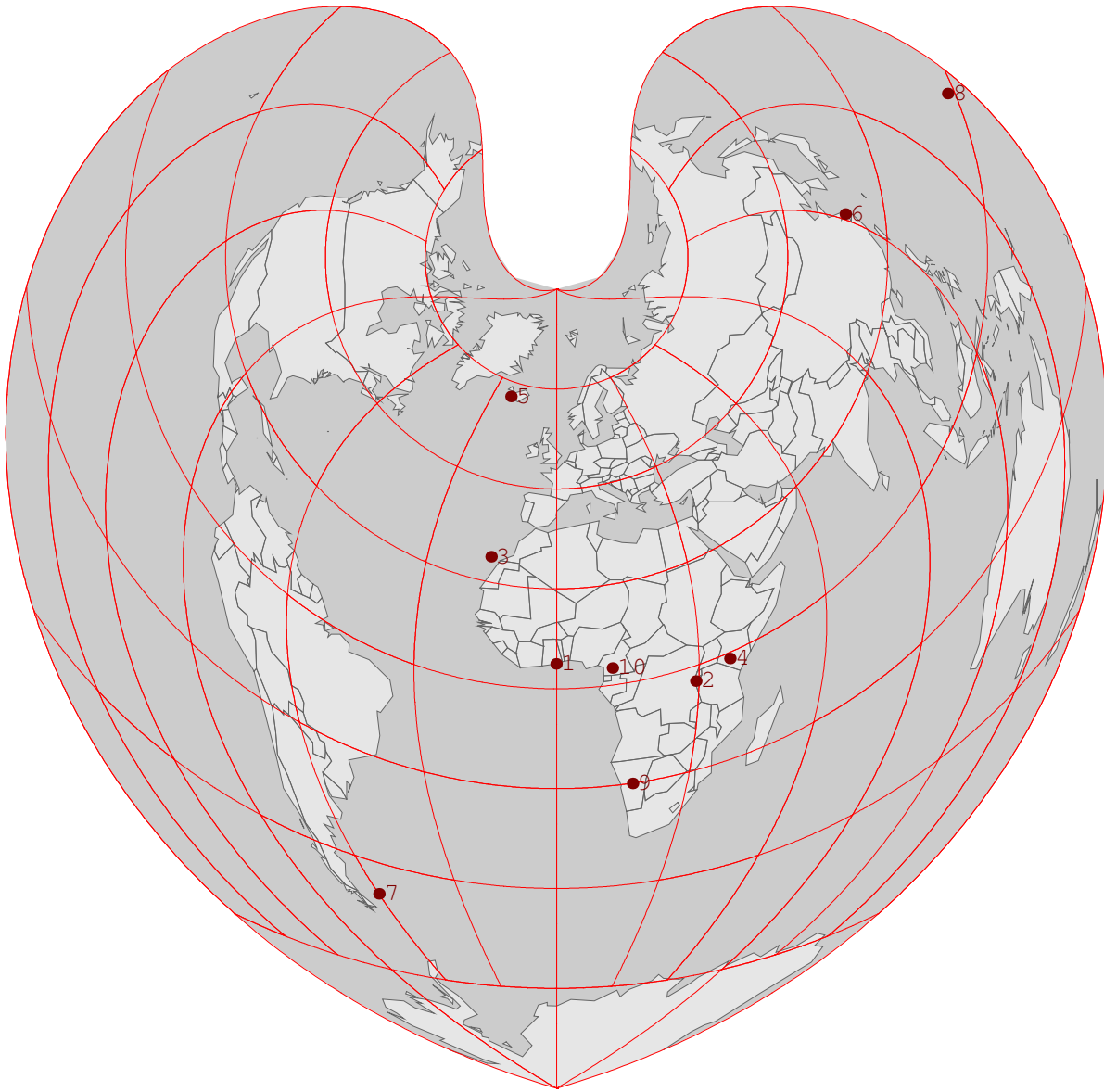
21.



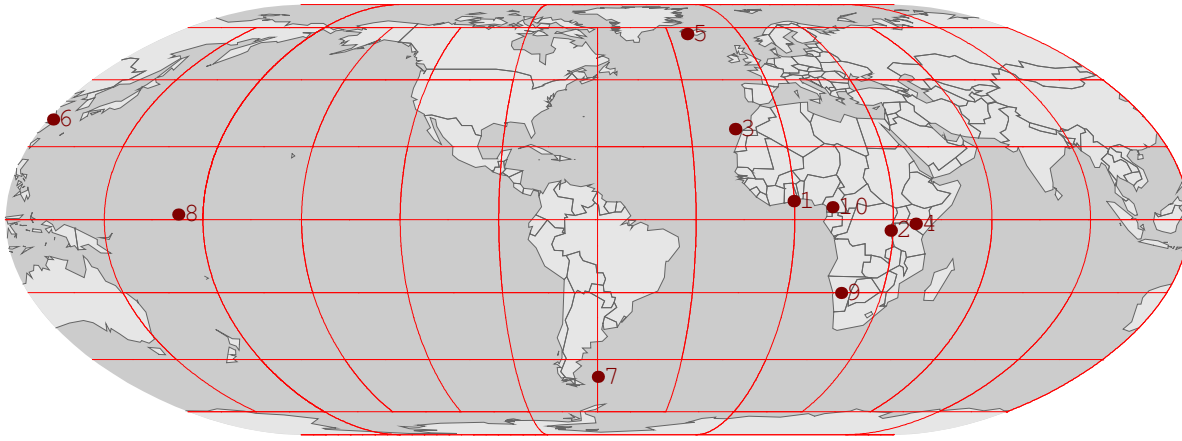
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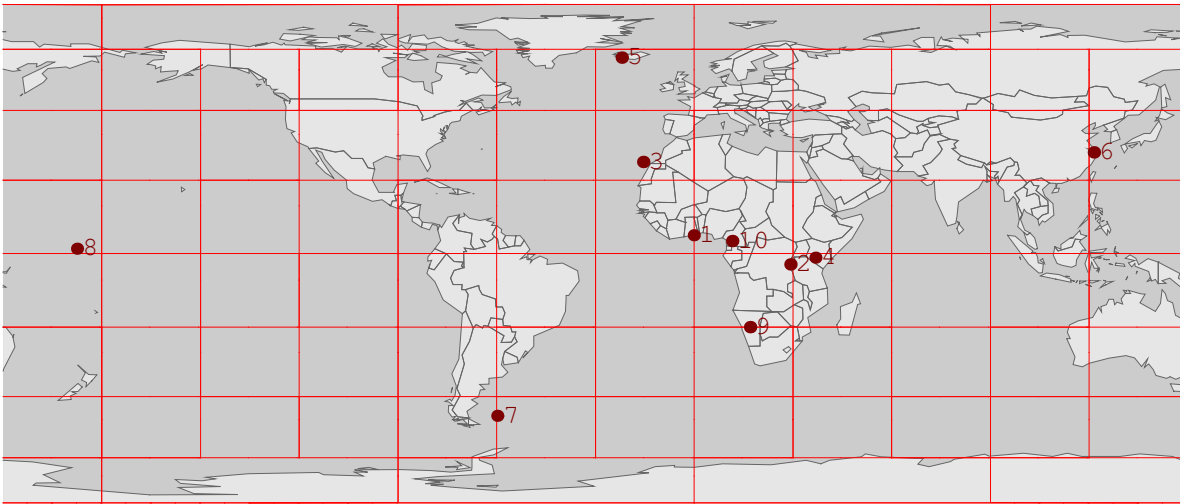
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24.

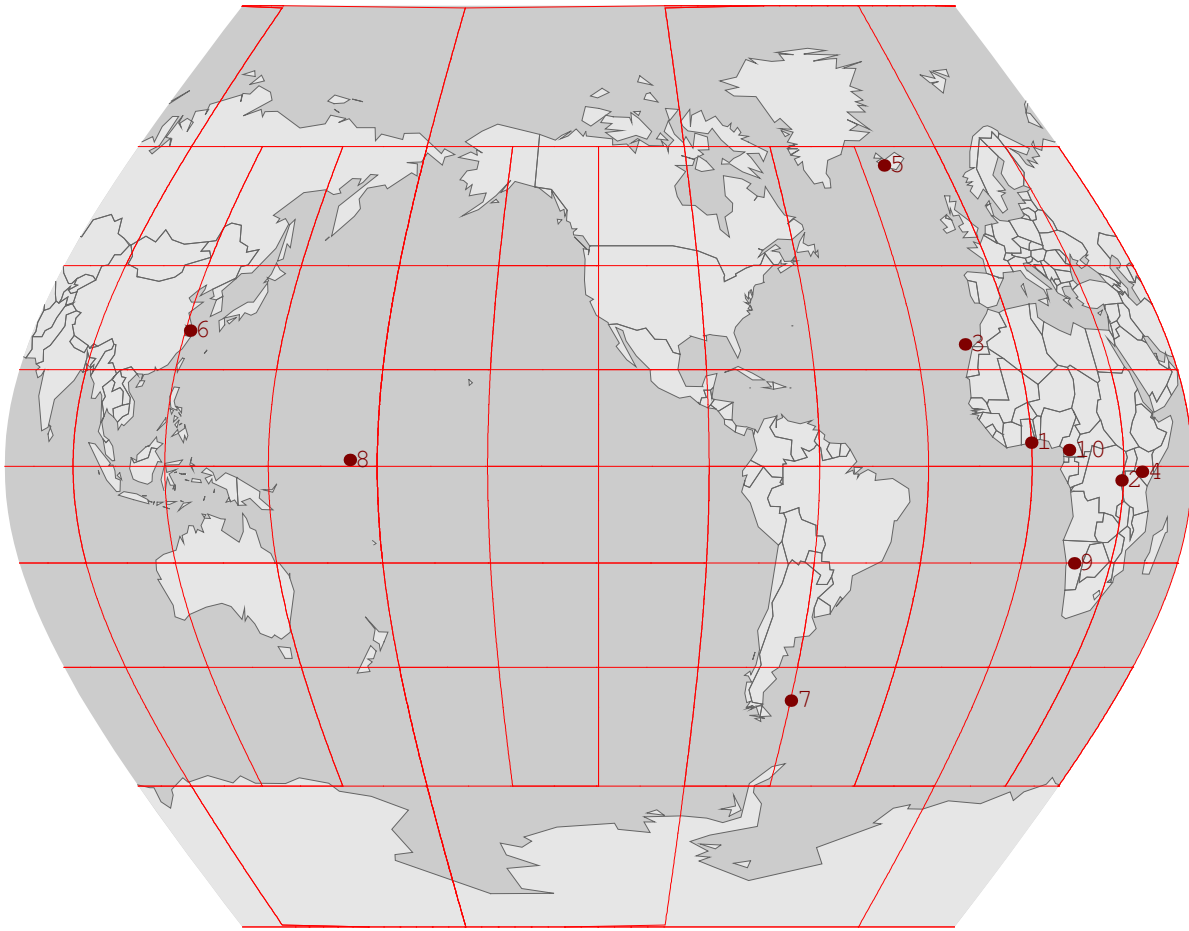


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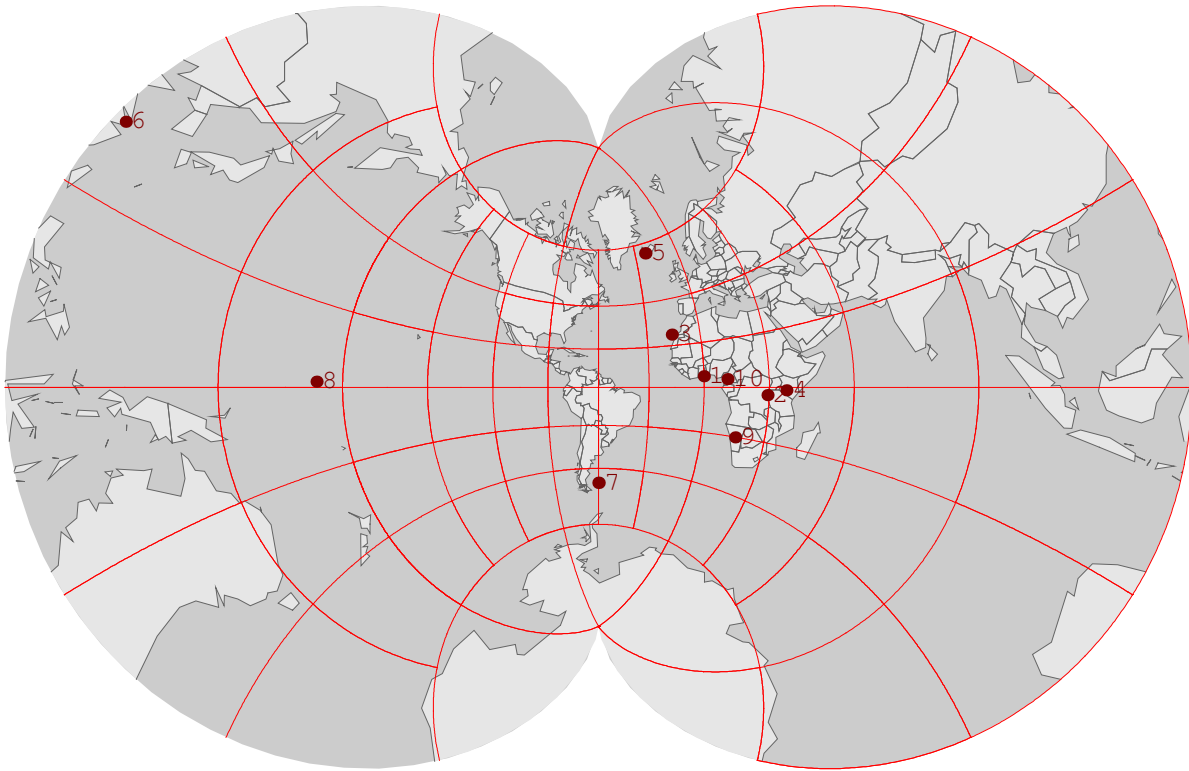




26.



27.



28.

