

Quiz 3: Basic Vector Operations and Spatial Projections

Due Sep 15 at 4:15pm	Points 15	Questions 5
Available Sep 14 at 4:15pm - Sep 15 at 4:15pm 24 hours		Time Limit 60 Minutes

This quiz was locked Sep 15 at 4:15pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	44 minutes	13 out of 15

Score for this quiz: **13** out of 15
Submitted Sep 15 at 1:52pm
This attempt took 44 minutes.

Question 1

3 / 3 pts

There are 60 numbered zones in the Universal Transverse Mercator projected coordinate system that wraps around the globe (excluding the poles).

What is the width, in degrees, of each zone?

6

10

360

4

Correct!

Question 2**4 / 4 pts**

Using complete sentences, explain the difference between a basic clip and applying a raster mask.

Your Answer:

A basic clip cuts the pixels within a specified boundary, the features that are within its reach or features that touch, whereas applying a raster mask automatically detects the boundaries and allows for you to maintain things that would otherwise have been cut out when using a basic clip, it extracts the cells of the raster that are relative to the areas specified by the applied mask.

good!

Question 3**4 / 4 pts**

Match the vector operation with its correct simplified definition

Correct!**Clip**

cuts a piece out of the fi ▼

Correct!**Intersect**

overlays polygons but ki ▼

Correct!**Append**

merges multiple feature: ▼

Correct!**Split**

divides the first input lay ▾

Question 4**0 / 2 pts**

Less than (<)

Greater than (>)

Equal to (=) or (==)

Not equal to (<>)

Are examples of...

☐ Binary Operators☐ Boolean Operators☒ Symbol Operators☐ Set Operators

You Answered

Correct Answer

Question 5**2 / 2 pts**

Magnetic north and Geographic north can be used interchangeably

☐ True

Correct!☒ FalseQuiz Score: **13** out of 15