



# EADA105<sup>Q&As</sup>

ArcGIS Desktop Associate 10.5

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**QUESTION 1**

A GIS analyst using ArcGIS Pro needs to georeference several non-georeferenced aerial photos. All aerial photos have a similar spectral signature, the same geographic location, time and season, image orientation, image scale, and band combination. The analyst has a single georeferenced raster in a known coordinate system for the same location, which has the same image properties. The analyst adds the single georeferenced raster to a new map with an imagery basemap layer and then applies the following workflow:

Imagery tab > Georeference > Prepare group > Fit To Display > Adjustment group

Which next step allows the analyst to georeference the remaining non-georeferenced aerial photos?

- A. Auto Georeference
- B. Add Control Points
- C. Import Control Points
- D. Transform

Correct Answer: A

Reference: <https://pro.arcgis.com/en/pro-app/help/data/imagery/georeferencing-a-raster-automatically-toanother-raster.htm>

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**QUESTION 2**

An ArcGIS analyst is working with a mosaic dataset created from Landsat imagery. The images are displayed in the mosaic dataset using a 7,4,3 band combination (Short-wave Infrared 2, Red, Green). The analyst needs to use the mosaic dataset to determine relative biomass in the area of interest.

Which raster function should be used?

- A. NDVI
- B. Identify
- C. Spectral Conversion
- D. Zonal Remap

Correct Answer: A

Reference: <http://highcarbonstock.org/wp-content/uploads/2015/04/HCS-Approach-Toolkit-Ch3-GISanalysis.pdf>

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**QUESTION 3**

A GIS department using ArcMap has created a standard set of raster functions to apply to all aerial imagery. The standard set of functions can be applied to stand-alone raster datasets or to mosaic datasets.

Which workflow should be used to apply the standard set of raster functions used by the department?



- A. Image Analysis Window > Apply Function Template
- B. Raster Dataset Properties > Add Function
- C. Image Analysis Window > Add Function
- D. Raster Dataset Properties > Apply Function Template

Correct Answer: D

Reference: <https://pro.arcgis.com/en/pro-app/help/data/imagery/raster-functions.htm>

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#### QUESTION 4

A GIS technician must place points representing light poles 5 feet from the digitized edge of a road.

Which editing tool should the editor use?

- A. Align To Shape
- B. 2 Point Line
- C. Point At End Of Line
- D. Construct Points

Correct Answer: C

Reference: [http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm? TopicName=Common\\_point\\_editing\\_tasks](http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm? TopicName=Common_point_editing_tasks)

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#### QUESTION 5

How should a GIS technician repair all broken data sources in a map at once?

- A. Right-click Folders in the Project pane > Make a new folder connection > Navigate to the new file geodatabase location
- B. Right-click Databases in the Project pane > Add Database > Navigate to the new file geodatabase location
- C. Click the red exclamation point in the Contents pane > Change Data Source > Browse to new source
- D. Click a broken layer in the Contents pane > Data Ribbon > Export Features

Correct Answer: C

Reference: <http://desktop.arcgis.com/en/arcmap/10.3/map/working-with-layers/repairing-broken-datalinks.htm>