1. You want to create a model to predict sales of ice cream based on historic data that includes daily ice cream sales totals and weather measurements. Which Azure service should you use?

**Azure Machine Learning**

Azure AI Bot Service

Azure AI Language

2. You work for a wildlife sanctuary and are considering using AI to identify bird species from images. Which AI service should you use to prototype your idea?

**Azure AI Vision**

Azure AI Search

Azure OpenAI

3. A predictive app provides audio output for visually impaired users. Which principle of Responsible AI is reflected here?

Transparency

**Inclusiveness**

Fairness

4. You want to create a model to predict the cost of heating an office building based on its size in square feet and the number of employees working there. What kind of machine learning problem is this?

**Regression**

Classification

Clustering

5. You need to evaluate a classification model. Which metric can you use?

Mean squared error (MSE)

**Precision**

Silhouette

6. In deep learning, what is the purpose of a loss function?

To remove data for which no known label values are provided

**To evaluate the aggregate difference between predicted and actual label values**

To calculate the cost of training a neural network rather than a statistical model

7. What does automated machine learning in Azure Machine Learning enable you to do?

Automatically deploy new versions of a model as they're trained

Automatically provision Azure Machine Learning workspaces for new data scientists in an organization

**Automatically run multiple training jobs using different algorithms and parameters to find the best model**

8. An application requires three separate AI services. To see the cost for each separately, what type of resource(s) should be created?

A multi-service resource that includes all the AI services

**A single-service resource for each AI service**

It's not possible to see costs for individual AI services

9. After logging into one of the Azure studios, what is one task to complete to begin using the studio?

Input a key and endpoint into the studio

Customize the API request.

**Associate a resource with the studio**

10. What is an Azure AI services resource?

**A bundle of several AI services in one resource**

An AI service to recognize faces

A single-service resource for Azure AI Search