1. d) NONE OF
2. b) When an object of one class needs the other class’s object to perform an operation.
3. b) Tuple
4. c) Both a and b
5. d) Both b and c

Coding problem 1:

import math

class Circle:

def \_\_init\_\_(self, radius):

self.radius = radius

def compute\_area(self):

return math.pi \* (self.radius \*\* 2)

def compute\_perimeter(self):

return 2 \* math.pi \* self.radius

# Usage:

c = Circle(5)

print(c.compute\_area()) # Output: 78.53981633974483

print(c.compute\_perimeter()) # Output: 31.41592653589793

Coding problem 2:

class Person:

def \_\_init\_\_(self, name, age, gender):

self.name = name

self.age = age

self.gender = gender

def introduction(self):

print(f"Hello, my name is {self.name}. I'm {self.age} years old and I'm a {self.gender}.")

# Usage:

p = Person("Alice", 25, "Female")

p.introduction() # Output: Hello, my name is Alice. I'm 25 years old and I'm a Female.