Type Casting in Java Practice Sheet

Q1. What is the difference between widening and narrowing casting?

Q2. What will be the output of the following code?

double d = 99.99;

int i = (int) d;

System.out.println(i);

Q3. Identify if this casting is valid:

int x = 100;

byte b = x;

Q4. What is the output?

int x = 130;

byte y = (byte) x;

System.out.println(y);

Q5. Explain upcasting and downcasting with code.

Q6. Is this code valid?

Animal a = new Animal();

Dog d = (Dog) a;

Q7. Write a Java program to demonstrate all 4 types of casting:

- Widening

- Narrowing

- Upcasting

- Downcasting