Area of Circles

Name: _____ Date: _____

Formula: $A = \pi r^2$

Where A = area, $\pi \approx 3.14$, and r = radius

Part A: Calculate the area of each circle

Show your working. Round your answers to 2 decimal places.

1. Radius = 5 cm

Working: _____

Area = _____ cm^2

2. Radius = 8 m

Working: _____

Area = _____ m^2

3. Radius = 12 cm

Working: _____

Area = _____ cm^2

4. Radius = 3.5 m

Working: _____

Area = _____ m^2

Part B: Find the area when given the diameter

Remember: radius = diameter ÷ 2

5. Diameter = 10 cm

Radius = _____

Working: _____

Area = _____ cm^2

6. Diameter = 14 m

Radius = _____

Working: _____

Area = _____ m^2

Part C: Word Problems

7. A circular garden has a radius of 6 metres. What is the area of the garden?

Working: _____

Answer: _____ m^2

8. A pizza has a diameter of 30 cm. What is the area of the pizza?

Working: _____

Answer: _____ cm^2