Answer all the questions

1.Which formula should be used to find the area of a quarter circle?

a) $A = \pi r^2$

b) $A = 2\pi r$

c) $A = 0.5\pi r^2$

d) $A = 0.25\pi r^2$

2.Dorji wants to build a quarter circle-shaped patio in her backyard. The radius of the patio is 6 meters. What will be the area of the quarter circle patio?

a) 12π square meters

b) 18π square meters

c) 9π square meters

d) 36π square meters

3.Dema wants to construct a quarter circle-shaped swimming pool. The pool's radius is 10 feet. If the area of the pool is 25π square feet, what is the length of its circumference?

a) 20π feet

b) 25π feet

c) 50π feet

d) 100π feet

4. Choden has a piece of land that is in the shape of a quarter circle. The area of the land is 49π square meters. What is the radius of the land?

a) 7 meters

b) 14 meters

c) 21 meters

d) 28 meters

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