Square Root Word Problems

Name: _____ Date: _____

Instructions: Read each problem carefully and show your working. Round answers to 2 decimal places where necessary.

1. A square playground has an area of 225 m². What is the length of one side of the playground?

Working:

_____

_____

Answer: _____

2. Emma wants to create a square garden with an area of 64 m². How much fencing will she need to go around the entire garden?

Working:

_____

_____

Answer: _____

3. A square tile has an area of 121 cm². What is the length of one side of the tile?

Working:

_____

_____

Answer: _____

4. A square picture frame has an area of 400 cm². What is the perimeter of the frame?

Working:

_____

_____

Answer: _____

5. A farmer has 196 m² of land to create a square paddock. What will be the length of each side?

Working:

_____

_____

Answer: _____

6. A square swimming pool has an area of 50 m². Calculate the length of one side of the pool.

Working:

_____

_____

Answer: _____