MATHEMATICS · YEAR 7

Square Root Symbol and Notation Practice

Practise writing and interpreting square root notation.

Name: _____ **Date:** _____

1 Write in square root notation — use the symbol √.

a) The square root of 36

_____

b) The square root of 100

_____

c) The positive square root of 49

_____

d) The square root of 0

_____

2 Write each expression in words

a) √25

_____

b) √81

_____

c) √144

_____

3 Work out each value — write your answer on the line.

a) √4 _____ **b)** √16 _____ **c)** √64 _____ **d)** √100 _____

e) √121 _____ **f)** √144 _____ **g)** √169 _____ **h)** √196 _____

4 Complete each statement

a) √ ☐ = 7 **b)** √81 = ☐ **c)** √ ☐ = 12

d) √169 = ☐ **e)** √ ☐ = 0 **f)** √196 = ☐

5 Use square root notation in these problems

a) A square tile has an area of 64 cm². Write a square root expression for its side length, then work it out.

Expression: _____ Side length: _____ cm

b) A square garden has an area of 225 m². Write a square root expression for its side length, then work it out.

Expression: _____ Side length: _____ m