



# Squares and Cubes

Name \_\_\_\_\_

Score \_\_\_\_\_

SC:14

Evaluate each problem.

1)  $(9\sqrt{7})^2$

2)  $(\sqrt{31})^2$

3)  $(2\sqrt{11})^2$

4)  $(2\sqrt[3]{10})^3$

5)  $(3\sqrt[3]{5})^3$

6)  $(\sqrt[3]{9})^3$

Find the square of the following numbers.

1)  $\sqrt{52}$

2)  $7\sqrt{11}$

3)  $4\sqrt{2}$

Find the cube of the following numbers.

1)  $5\sqrt[3]{1}$

2)  $\sqrt[3]{6}$

3)  $\sqrt[3]{77}$



# Squares and Cubes

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

SC:14

Evaluate each problem.

1)  $(9\sqrt{7})^2$

**567**

2)  $(\sqrt{31})^2$

**31**

3)  $(2\sqrt{11})^2$

**44**

4)  $(2\sqrt[3]{10})^3$

**80**

5)  $(3\sqrt[3]{5})^3$

**135**

6)  $(\sqrt[3]{9})^3$

**9**

Find the square of the following numbers.

1)  $\sqrt{52}$

**52**

2)  $7\sqrt{11}$

**539**

3)  $4\sqrt{2}$

**32**

Find the cube of the following numbers.

1)  $5\sqrt[3]{1}$

**125**

2)  $\sqrt[3]{6}$

**6**

3)  $\sqrt[3]{77}$

**77**