



# Squares and Cubes

Name \_\_\_\_\_

Score \_\_\_\_\_

Evaluate each problem.

1)  $(\sqrt{33})^2$

2)  $(5\sqrt{3})^2$

3)  $(\sqrt{1})^2$

4)  $(4\sqrt[3]{6})^3$

5)  $(\sqrt[3]{42})^3$

6)  $(2\sqrt[3]{15})^3$

Find the square of the following numbers.

1)  $5\sqrt{10}$

2)  $\sqrt{3}$

3)  $\sqrt{19}$

Find the cube of the following numbers.

1)  $\sqrt[3]{90}$

2)  $3\sqrt[3]{13}$

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



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Name \_\_\_\_\_

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## Answer key

Evaluate each problem.

1)  $(\sqrt{33})^2$

**33**

2)  $(5\sqrt{3})^2$

**75**

3)  $(\sqrt{1})^2$

**1**

4)  $(4\sqrt[3]{6})^3$

**384**

5)  $(\sqrt[3]{42})^3$

**42**

6)  $(2\sqrt[3]{15})^3$

**120**

Find the square of the following numbers.

1)  $5\sqrt{10}$

**250**

2)  $\sqrt{3}$

**3**

3)  $\sqrt{19}$

**19**

Find the cube of the following numbers.

1)  $\sqrt[3]{90}$

**90**

2)  $3\sqrt[3]{13}$

**351**

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

**432**