



Squares and Cubes

Name _____

Score _____

SC:15

Evaluate each problem.

1) $(\sqrt{88})^2$

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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Answer key

SC:15

Evaluate each problem.

1) $(\sqrt{88})^2$

88

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