



Squares and Cubes

Name _____

Score _____

SC:16

Evaluate each problem.

1) $(3\sqrt{17})^2$

2) $(\sqrt{50})^2$

3) $(9\sqrt{8})^2$

4) $(\sqrt[3]{23})^3$

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

6) $(2\sqrt[3]{9})^3$

Find the square of the following numbers.

1) $4\sqrt{5}$

2) $\sqrt{74}$

3) $6\sqrt{12}$

Find the cube of the following numbers.

1) $2\sqrt[3]{4}$

2) $\sqrt[3]{85}$

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



Squares and Cubes

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Answer key

SC:16

Evaluate each problem.

1) $(3\sqrt{17})^2$

153

2) $(\sqrt{50})^2$

50

3) $(9\sqrt{8})^2$

648

4) $(\sqrt[3]{23})^3$

23

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

5

6) $(2\sqrt[3]{9})^3$

72

Find the square of the following numbers.

1) $4\sqrt{5}$

80

2) $\sqrt{74}$

74

3) $6\sqrt{12}$

432

Find the cube of the following numbers.

1) $2\sqrt[3]{4}$

32

2) $\sqrt[3]{85}$

85

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

1