



Squares and Cubes

Name _____

Score _____

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) $\sqrt[3]{77}$



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Answer key

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