



Squares - Diagonals

Name _____

Score _____

AS:22

Find the diagonal of each square from the given side length. Round the answer to two decimal places.

1) Side length = 6 in

Diagonal =

3) Side length = 4.5 ft

Diagonal =

5) Side length = 2 yd

Diagonal =

2) Side length = 11 ft

Diagonal =

4) Side length = 7.7 yd

Diagonal =

6) Side length = 15 in

Diagonal =

Find the side length and diagonal of each square from the given area. Round the answer to two decimal places.

1) Area = 81 ft²

Side length =

Diagonal =

3) Area = 289 yd²

Side length =

Diagonal =

2) Area = 1.96 in²

Side length =

Diagonal =

4) Area = 144 ft²

Side length =

Diagonal =



Squares - Diagonals

Name _____

Score _____

Answer key

AS:22

Find the diagonal of each square from the given side length. Round the answer to two decimal places.

1) Side length = 6 in

Diagonal = **8.49 in**

3) Side length = 4.5 ft

Diagonal = **6.36 ft**

5) Side length = 2 yd

Diagonal = **2.83 yd**

2) Side length = 11 ft

Diagonal = **15.56 ft**

4) Side length = 7.7 yd

Diagonal = **10.89 yd**

6) Side length = 15 in

Diagonal = **21.21 in**

Find the side length and diagonal of each square from the given area. Round the answer to two decimal places.

1) Area = 81 ft²

Side length = **9 ft**

Diagonal = **12.73 ft**

3) Area = 289 yd²

Side length = **17 yd**

Diagonal = **24.04 yd**

2) Area = 1.96 in²

Side length = **1.4 in**

Diagonal = **1.98 in**

4) Area = 144 ft²

Side length = **12 ft**

Diagonal = **16.97 ft**