



Squares - Diagonals

Name _____

Score _____

AS:23

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

1) Side length = 2.3 yd

Diagonal =

2) Side length = 20 in

Diagonal =

3) Side length = 9 in

Diagonal =

4) Side length = 14 ft

Diagonal =

5) Side length = 18 ft

Diagonal =

6) Side length = 10.5 yd

Diagonal =

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

1) Area = 12.96 in²

Side length =

Diagonal =

2) Area = 49 yd²

Side length =

Diagonal =

3) Area = 169 ft²

Side length =

Diagonal =

4) Area = 82.81 in²

Side length =

Diagonal =



Squares - Diagonals

Name _____

Score _____

Answer key

AS:23

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

1) Side length = 2.3 yd

Diagonal = **3.25 yd**

3) Side length = 9 in

Diagonal = **12.73 in**

5) Side length = 18 ft

Diagonal = **25.46 ft**

2) Side length = 20 in

Diagonal = **28.28 in**

4) Side length = 14 ft

Diagonal = **19.8 ft**

6) Side length = 10.5 yd

Diagonal = **14.85 yd**

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

1) Area = 12.96 in²

Side length = **3.6 in**

Diagonal = **5.09 in**

3) Area = 169 ft²

Side length = **13 ft**

Diagonal = **18.38 ft**

2) Area = 49 yd²

Side length = **7 yd**

Diagonal = **9.9 yd**

4) Area = 82.81 in²

Side length = **9.1 in**

Diagonal = **12.87 in**