



# Squares - Diagonals

Name \_\_\_\_\_

Score \_\_\_\_\_

AS:24

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

1) Side length = 22 ft

Diagonal =

2) Side length = 5.8 yd

Diagonal =

3) Side length = 1.2 yd

Diagonal =

4) Side length = 25 in

Diagonal =

5) Side length = 10 in

Diagonal =

6) Side length = 16 ft

Diagonal =

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

1) Area = 324 yd<sup>2</sup>

Side length =

Diagonal =

2) Area = 72.25 ft<sup>2</sup>

Side length =

Diagonal =

3) Area = 44.89 in<sup>2</sup>

Side length =

Diagonal =

4) Area = 16 yd<sup>2</sup>

Side length =

Diagonal =



# Squares - Diagonals

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

AS:24

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

1) Side length = 22 ft

Diagonal = **31.11 ft**

3) Side length = 1.2 yd

Diagonal = **1.7 yd**

5) Side length = 10 in

Diagonal = **14.14 in**

2) Side length = 5.8 yd

Diagonal = **8.2 yd**

4) Side length = 25 in

Diagonal = **35.36 in**

6) Side length = 16 ft

Diagonal = **22.63 ft**

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

1) Area = 324 yd<sup>2</sup>

Side length = **18 yd**

Diagonal = **25.46 yd**

3) Area = 44.89 in<sup>2</sup>

Side length = **6.7 in**

Diagonal = **9.48 in**

2) Area = 72.25 ft<sup>2</sup>

Side length = **8.5 ft**

Diagonal = **12.02 ft**

4) Area = 16 yd<sup>2</sup>

Side length = **4 yd**

Diagonal = **5.67 yd**