Squares - Diagonals

Name _____

Score _____

AS:25

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

1) Side length = 4 m

Diagonal =

2) Side length = 2.6 mm

Diagonal =

3) Side length = 9.5 cm

Diagonal =

4) Side length = 21 m

Diagonal =

5) Side length = 3 mm

Diagonal =

6) Side length = 10 cm

Diagonal =

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

1) Area = 51.84 cm^2

Side length =

Diagonal =

2) Area = 25 m^2

Side length =

Diagonal =

3) Area = 121 mm^2

Side length =

Diagonal =

4) Area = 24.01 cm^2

Side length =

Diagonal =

Squares - Diagonals

Name _____

Score _____

Answer key

AS:25

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

1) Side length = 4 m

Diagonal = **5.67 m**

2) Side length = 2.6 mm

Diagonal = **3.68 mm**

3) Side length = 9.5 cm

Diagonal = **13.44 cm**

4) Side length = 21 m

Diagonal = **29.7 m**

5) Side length = 3 mm

Diagonal = **4.24 mm**

6) Side length = 10 cm

Diagonal = **14.14 cm**

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

1) Area = 51.84 cm^2

Side length = **7.2 cm**

Diagonal = **10.18 cm**

2) Area = 25 m^2

Side length = **5 m**

Diagonal = **7.07 m**

3) Area = 121 mm^2

Side length = **11 mm**

Diagonal = **15.56 mm**

4) Area = 24.01 cm^2

Side length = **4.9 cm**

Diagonal = **6.93 cm**