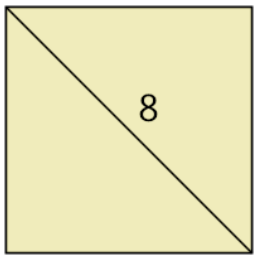
Name

Pythagoras in Squares - Diagonal Hypotenuse to Area Equation

1



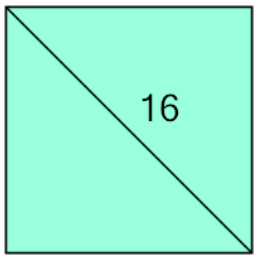
Area = ?

Find the area of the square, given a diagonal of length 8

A $\frac{8^2}{\sqrt{2}}$

B $\frac{8^2}{2}$

2



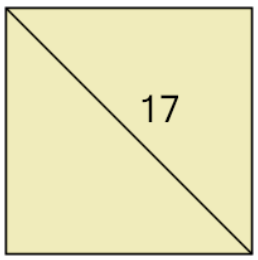
Area = ?

Find the area of the square, given a diagonal of length 16

A $\frac{16^2}{2}$

B $\frac{16^2}{\sqrt{2}}$

3



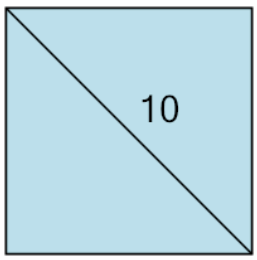
Area = ?

Find the area of the square, given a diagonal of length 17

A $\frac{17^2}{\sqrt{2}}$

B $\frac{17^2}{2}$

4



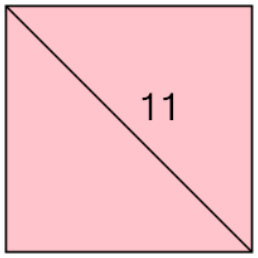
Area = ?

Find the area of the square, given a diagonal of length 10

A $\frac{10^2}{\sqrt{2}}$

B $\frac{10^2}{2}$

5



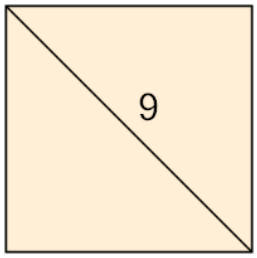
Area = ?

Find the area of the square, given a diagonal of length 11

A $\frac{11^2}{2}$

B $\frac{11^2}{\sqrt{2}}$

6



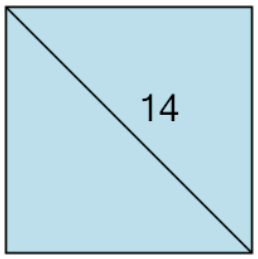
Area = ?

Find the area of the square, given a diagonal of length 9

A $\frac{9^2}{\sqrt{2}}$

B $\frac{9^2}{2}$

7



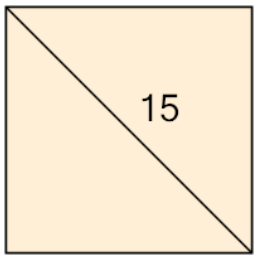
Area = ?

Find the area of the square, given a diagonal of length 14

A $\frac{14^2}{2}$

B $\frac{14^2}{\sqrt{2}}$

8



Area = ?

Find the area of the square, given a diagonal of length 15

A $\frac{15^2}{2}$

B $\frac{15^2}{\sqrt{2}}$