

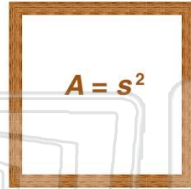


Name _____ Class _____ Date _____

1

The **area** of a square picture frame is **441 in.²**. What is the **length** of the picture frame?

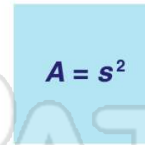
- A 23 in.
- B 21 in.
- C 20 in.
- D 12 in.



2

The **area** of a square tile is **72.25 in.²**. What is the **length** of the tile?

- A 8 $\frac{1}{5}$ in.
- B 8 $\frac{1}{4}$ in.
- C 8 $\frac{1}{2}$ in.
- D 8 $\frac{3}{4}$ in.



3

The **area** of a square plate is **689 cm²**. How **long** is each side of the plate, to the nearest hundredth?

- A 26.25 cm

4

The net of a backyard volleyball court divides it into two squares. If the **area** of one of the square courts is **992.25 ft²**, how **long** is the net from sideline to sideline? **A = s²**

5



PREVIEW

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7

- C -6.3, 6.3,
- D -7.3, 7.3

- A -6.5, 6.5
- B -6.8, 6.8
- C -7.2, 7.2
- D -7.5, 7.5

9

A rock falls off a 10-foot cliff. The model that shows how far the rock falls (***h***) after ***t*** seconds is **$h = -16t^2 + 10$** . About **how long** will it take the rock to reach the ground?

- A 4 seconds
- B 3.2 seconds
- C 0.79 seconds
- D 0.63 seconds



10

Mr. Foote's science class is timing how long it takes for an egg to fall 33 feet. Using the model, **$h = -16t^2 + 33$** , with ***h*** being the height and ***t*** being the time, about **how long** will it take for the egg to fall to the ground?

- A 0.69 seconds
- B 1.4 seconds
- C 2.06 seconds
- D 5.7 seconds

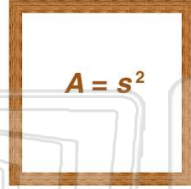




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- 1 The **area** of a square picture frame is **441 in.²**. What is the **length** of the picture frame?

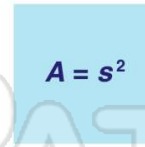
- A 23 in.
- B 21 in.
- C 20 in.
- D 12 in.



(B)

- 2 The **area** of a square tile is **72.25 in.²**. What is the **length** of the tile?

- A 8 1/8 in.
- B 8 1/4 in.
- C 8 1/2 in.
- D 8 3/4 in.



(C)

- 3 The **area** of a square plate is **689 cm²**. How **long** is each side of the plate, to the nearest hundredth?

- A 26.25 cm



(A)

- 4 The net of a backyard volleyball court divides it into two squares. If the **area** of one of the square courts is **992.25 ft²**, how **long** is the net from sideline to sideline? **A = s²**

(C)



(D)

PREVIEW

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- 7
- C -6.3, 6.3,
 - D -7.3, 7.3

- A -6.5, 6.5
- B -6.8, 6.8
- C -7.2, 7.2
- D -7.5, 7.5

(D)

- 9 A rock falls off a 10-foot cliff. The model that shows how far the rock falls (***h***) after ***t*** seconds is **$h = -16t^2 + 10$** . About how long will it take the rock to reach the ground?

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(C)

- 10 Mr. Foote's science class is timing how long it takes for an egg to fall 33 feet. Using the model, **$h = -16t^2 + 33$** , with ***h*** being the height and ***t*** being the time, about how long will it take for the egg to fall to the ground?

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(B)