

Real numbers



Name Class Date

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.

26 25 cm



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

- A 8 1/5 in.
- B 8 1/4 in.
- C 8 ½ in.
- D 8 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?



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? $A = s^2$



5



PREVIEW



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

- A -0.5, b.5
- **B** -6.8, 6.8
- C -7.2, 7.2
- D -7.5, 7.5



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



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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Name Class Date The area of a square picture frame The area of a square tile is 72.25 in.2. is 441 in.2. What is the length of the What is the length of the tile? picture frame? A 8 1/5 in. B A 23 in. (C)B 8 1/4 in. **B** 21 in. $A = S^2$ $A = s^2$ C 8 ½ in. C 20 in. D 8 3/4 in. D 12 in. 3 The net of a backyard volleyball court The area of a square plate is 689 cm². divides it into two squares. If the area How long is each side of the plate, of one of the square courts is 992.25 ft2, to the nearest hundredth? how long is the net from sideline to sideline? $A = s^2$ 26 25 cm 5 D **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet D A -0.5, b.5 C -6.3, 6.3, **B** -6.8, 6.8 **D** -7.3, 7.3 C -7.2, 7.2 D -7.5, 7.5 9 A rock falls off a 10-foot cliff. The model 10 Mr. Foote's science class is timing how long that shows how far the rock falls (h) after t it takes for an egg to fall 33 feet. Using the model, $h = -16t^2 + 33$, with h being the seconds is $h = -16t^2 + 10$. About how long will it take the rock to reach the ground? height and t being the time, about how long C will it take for the egg to fall to the ground? (B)A 4 seconds A 0.69 seconds B 3.2 seconds B 1.4 seconds C 0.79 seconds C 2.06 seconds D 0.63 seconds D 5.7 seconds