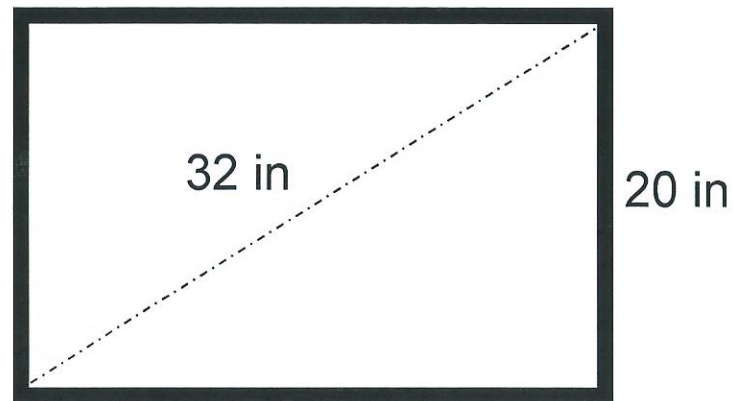


**A**

**YES**

---

**A television screen is measured by the length of its diagonal. Find the length of the 32-inch television screen pictured below to the nearest tenth of an inch.**



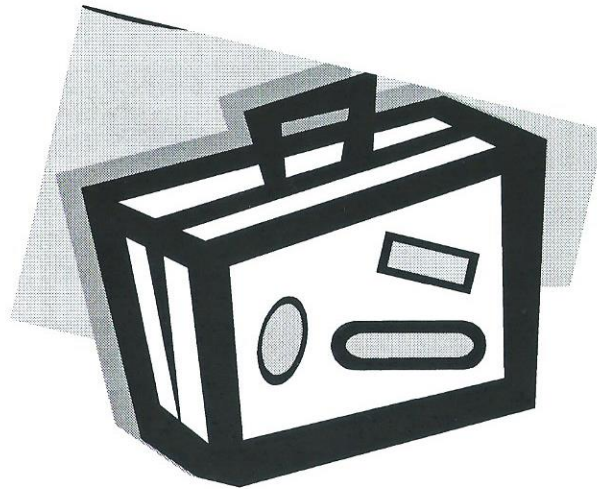
**B**

**B**

---

**A suitcase measures 21 inches by 16 inches. What is the length of the diagonal of the suitcase to the nearest tenth of an inch?**

- A. 5.0 inches**
- B. 37.0 inches**
- C. 26.4 inches**

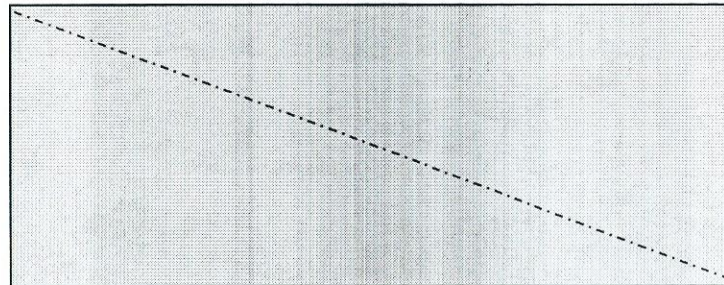


**C**

**14.4 in**

---

**A pool table measures 4 feet by 8 feet. What is the distance, to the nearest tenth of a foot from one corner pocket to the opposite corner pocket?**



**D**

**8.9 ft**

---

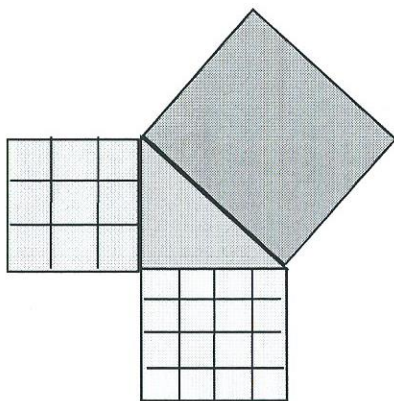
**The measures of the sides of a triangle are 3 inches, 5 inches, and 7 inches. Is this triangle a right triangle?**

**E**

**7.5 in.**

---

**Will a 5 x 5 square form a right triangle with the diagram shown below?**



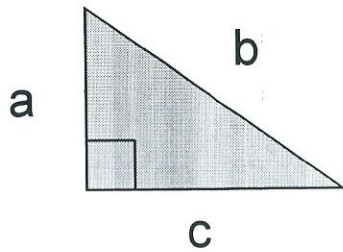
**F**

**12 ft**

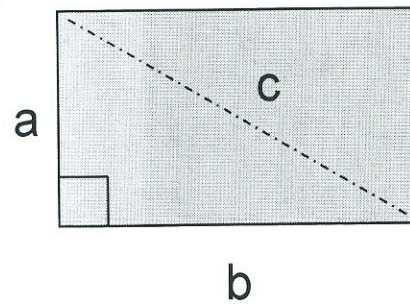
---

**Which triangle shows the relationship  $a^2 + b^2 = c^2$ ?**

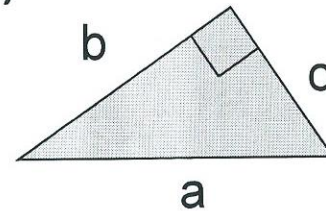
**A)**



**B)**



**C)**



**G**

**4.9 in.**

---

**A square has an area of 56 square inches. What is the length of the side of the square to the nearest tenth?**

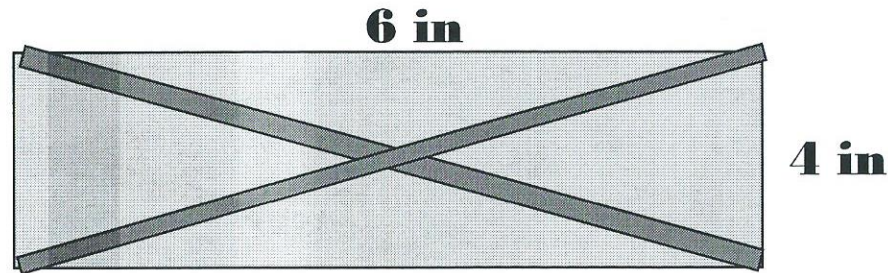


**I**

**25 in.**

---

**Michaela wants to decorate the top of a rectangular box with ribbon along both diagonals as shown below.**



**What is the minimum length of ribbon to the nearest tenth of an inch that she will need for the box?**



**H**

**C**

---

**A square has an area of 24 square inches. What is the length of the side of the square to the nearest tenth?**

**J**

**No**

---

**A ladder that is 15 feet long leans against a building. The bottom of the ladder is 9 feet from the base of the building. How far up the side of the building will the ladder reach?**



# Scavenger Hunt Directions

- This is designed as a scavenger hunt, similar to the I Have Who Has games.
- Display problems around the classroom.
- Have students work in a group of 3 or with a partner. Assign each group a problem to start with so that the groups are spread around the room. (If using the Lifelines, you will need a maximum of 10 groups)
- Have them work the problems on notebook paper to turn in when the circuit is completed. Make sure they either write the problem or the problem letter.
- Option: Each group or pair can be given a “Lifeline” to use. They must surrender the Lifeline to the teacher if they have to ask the teacher a question. The idea is that they talk with each other, or even with another group if they are having trouble working a problem.
- If all questions are answered correctly, the last question answered should bring them back to where they started.
- If a group finds that they are not in the right sequence, check their answers in order on the answer key to see which question put a group on the wrong track.





Lifeline



Lifeline



Lifeline



Lifeline

## **Answer Key**

**(in cycle order)**

<b>Problem on Card A</b>	<b>25 inches</b>
<b>Problem on Card I</b>	<b>14.4 inches</b>
<b>Problem on Card C</b>	<b>8.9 feet</b>
<b>Problem on Card D</b>	<b>No</b>
<b>Problem on Card J</b>	<b>12 feet</b>
<b>Problem on Card F</b>	<b>B</b>
<b>Problem on Card B</b>	<b>C</b>
<b>Problem on Card H</b>	<b>4.9 inches</b>
<b>Problem on Card G</b>	<b>7.5 inches</b>
<b>Problem on Card E</b>	<b>Yes</b>
<b>Problem on Card A...</b>	