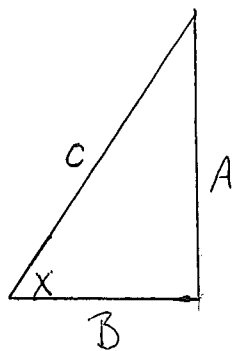


1. Match the side of this triangle with their respective labels relative to X .



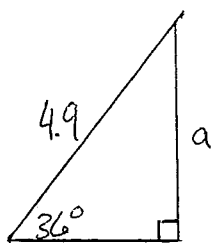
- A. $A = \text{Hypotenuse}$ $B = \text{Adjacent}$ $C = \text{Opposite}$
B. $A = \text{Opposite}$ $B = \text{Hypotenuse}$ $C = \text{Adjacent}$
C. $A = \text{Opposite}$ $B = \text{Adjacent}$ $C = \text{Hypotenuse}$
D. $A = \text{Hypotenuse}$ $B = \text{Opposite}$ $C = \text{Adjacent}$

2. What is the phrase that helps to remember trig functions?

- A. SAHCOHTAO
B. SOHCAHTOA
C. SOHCAHTAO
D. SAHCOHTOA

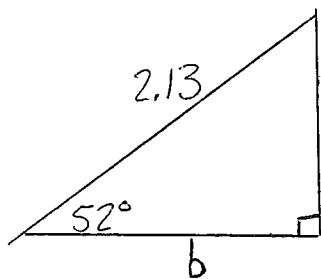
3. Use the sine ratio to find the length of side "a".

- A. 2.88
B. 1.96
C. 3.7
D. 4.9



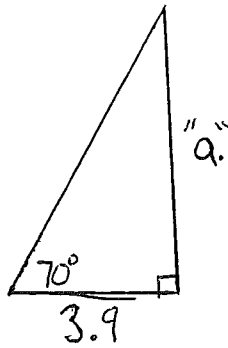
4. Use the cosine ratio to find the length of side "b".

- A. .97
B. 1.59
C. 3.12
D. 1.31



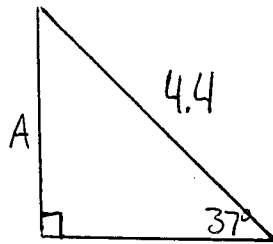
5. Use the tangent ratio to find the length of side "a."

- A. 11.6
- B. 6.9
- C. 10.7
- D. 9.9



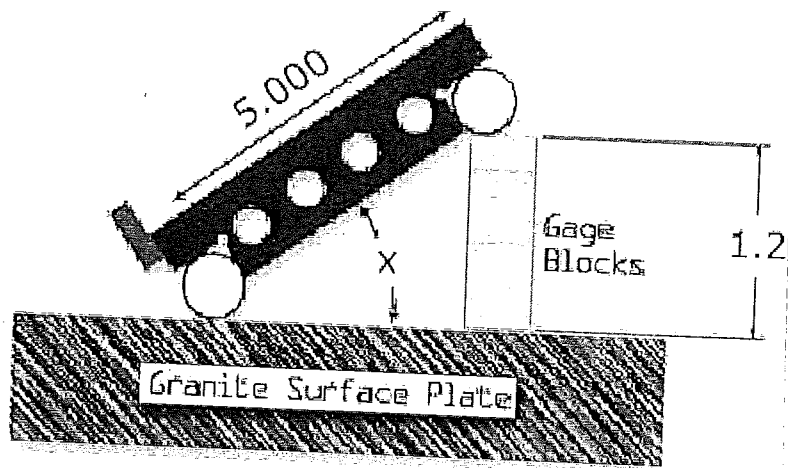
6. What trig ratio is needed for this problem?

- A. Tangent.
- B. Secant.
- C. Sine.
- D. Cosine.



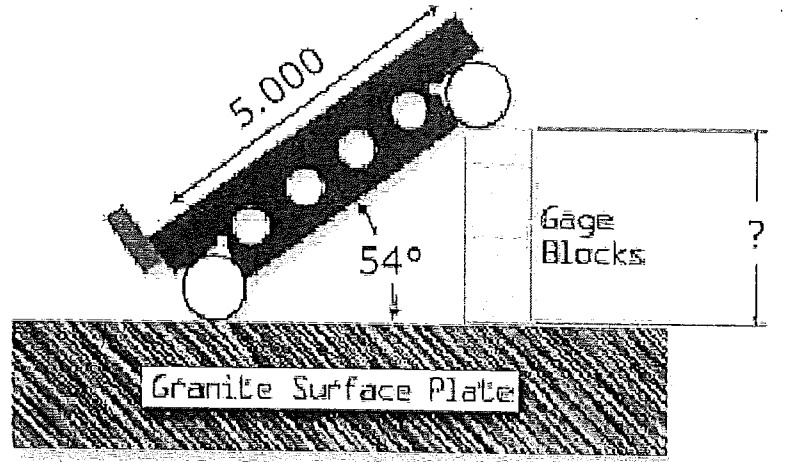
7. Find the measurement of the 5" sine bar angle using the gage blocks height in the image.

- A. 82°
- B. 23°
- C. 76°
- D. 14°



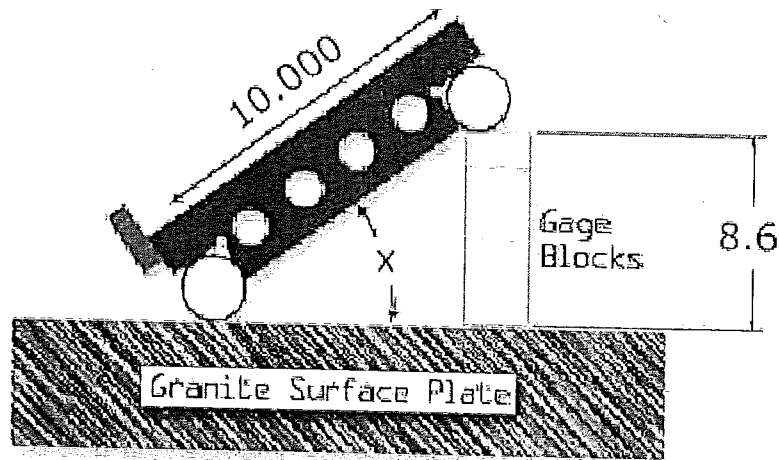
8. Find the gage block height for the sine bar angle in the image.

- A. 5.00 in
- B. 1.95 in
- C. 4.05 in
- D. 2.99 in

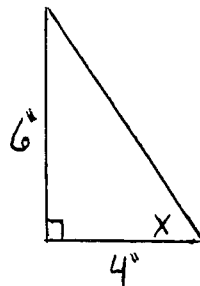


9. Find the measurement of the angle using the gage block height in the image.

- A. 49°
- B. 31°
- C. 34°
- D. 59°



10. Solve for x.



"This workforce solution was funded by a grant awarded by the U.S. Department of Labor' Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U. S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership."



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