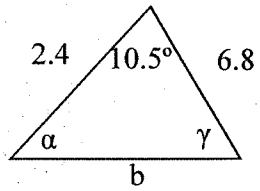
Trigonometry Exam Chapter 5 Form Z Name_____

NOTE: Figures are not drawn to scale.

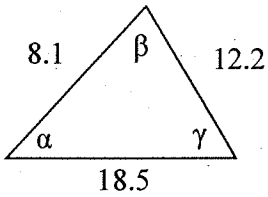
B 6. Solve for side b.




A. 3.95 C. 1.76
B. 4.46 D. 7.12

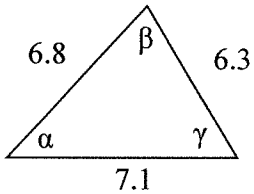
$b^2 = 2.4^2 + 6.8^2 - 2 \cdot 2.4 \cdot 6.8 \cdot \cos 10.5$

B 7. Which must be the largest angle? (Not drawn to scale!)




A. α
B. β
C. γ
D. cannot be determined

A 8. Find angle β.



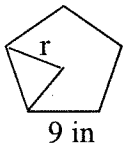

A. 65.51° C. 60.64°
B. 53.85° D. 48.28°

$7.1^2 = 6.8^2 + 6.3^2 - 2 \cdot 6.8 \cdot 6.3 \cos B$

A 9. How many possible triangles are formed in the SSS case by side 3.7, side 18.4, and side 14.3?

A. none B. one C. two D. three

D 10. Find the radius of a regular pentagon with side 9 in.




A. 8.23 in C. 6.85 in.
B. 9.41 in D. 7.66 in.

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