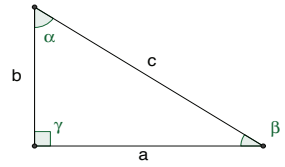
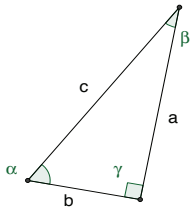
Mechanics: Trig Review Mr. Haynes

- For each triangle, determine the missing information.
- Copy problems to a separate piece of paper, and show all work.
- Your answer should be accurate to 3 significant digits.
- Answers are posted at http://weh.maritime.edu/mechanics

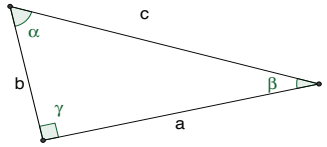
1. a = 30 α =
b = 20 β =
c = γ = 90°



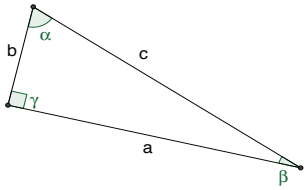
2. a = 58.48 α =
b = β = 28.05°
c = γ = 90°



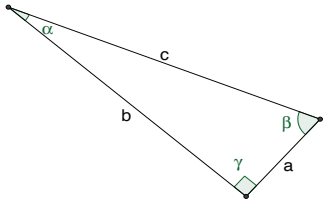
3. a = α = 61.95°
b = β =
c = 87.31 γ = 90°



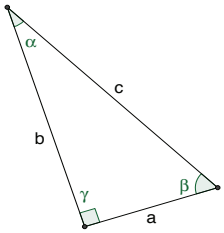
4. a = α =
b = β = 20.23°
c = 73.86 γ = 90°



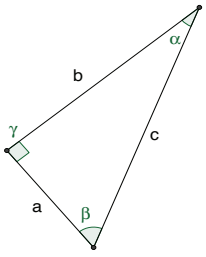
5. a = α =
b = 55.69 β = 70.38°
c = γ = 90°



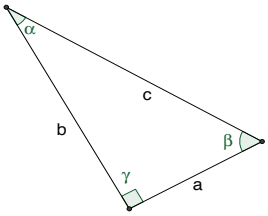
6. a = 24.64 α =
b = β =
c = 50.96 γ = 90°



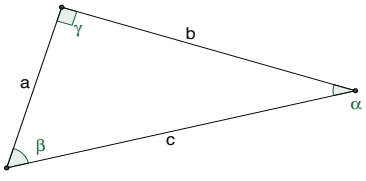
7. a = 24.22 α =
b = 43.82 β =
c = γ = 90°



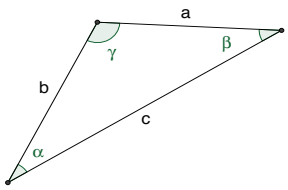
8. a = α = 30.98°
b = β =
c = 52.06 γ = 90°



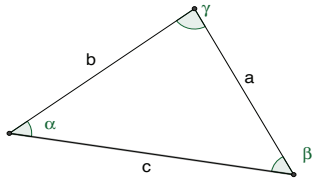
9. a = α = 30.98°
b = β =
c = 42.04 γ = 90°



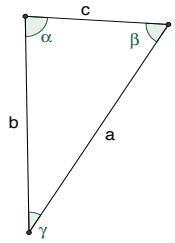
10. a = 36.84 α =
b = 39.44 β =
c = 64.05 γ =



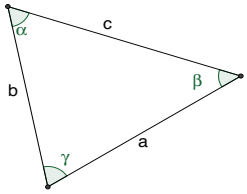
11. a = 62.12 α =
b = β = 52.37°
c = 86.28 γ =



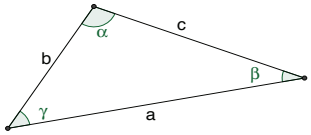
12. a = α = 85.52°
b = 80.01 β =
c = 48.4 γ =



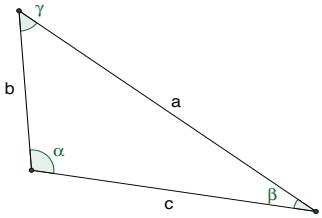
13. a = 64.31 α = 60.44°
b = 56.92 β =
c = γ =



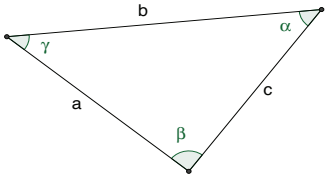
14. a = α = 102.31°
b = β = 30.99°
c = 63.37 γ =



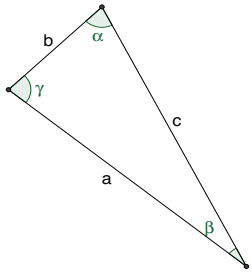
15. a = α = 103.14°
b = 52.55 β =
c = γ = 49.34°



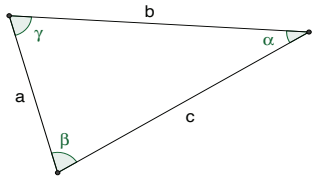
16. a = 46.81 α = 47.79°
b = β = 87.73°
c = γ =



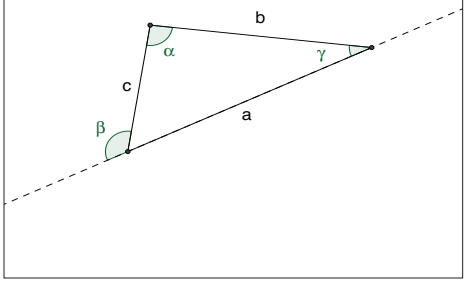
17. a = 61.3 α =
b = 26.03 β =
c = γ = 83.36°



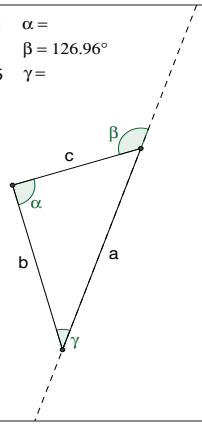
18. a = α =
b = 59.99 β = 74.16°
c = 58.91 γ =



19. a = α = 92.82°
b = β =
c = 47.4 γ = 31.41°



20. a = 79.01 α =
b = β = 126.96°
c = 45.35 γ =



21. a = 71.15 α =
b = 60.38 β = 134.83°
c = γ =