For Problems 1–8, i	dentify the feature	res of the right triangle.	(use lower case letters)
1. the hypotenuse		2. the legs	B
3. the side opposite $\angle A$		4. the side opposite $\angle E$	3 c a
5. the side adjacent to $\angle A$		6. the side adjacent to	∠B
7. the tangent of $\angle A$		8. the tangent of $\angle B$	A bC
For 9-18, write each t	rigonometric ratio	as a fraction and as a de	cimal, rounded to the nearest thousandth.
9. sin <i>A</i> =	10. cos <i>A</i> =	11. $\cos B =$	$\frac{25}{7}$ F B
12. tan <i>A</i> =	13. tan <i>B</i> =	14. sin <i>D</i> =	
15. $\cos F =$	16. sin <i>F</i> =	17. tan <i>D</i> =	18. tan $F = \int_{-10}^{13} \int_{-10}^{12}$
Use a calculator to find each tangent. Round to the nearest hundredth.			
19. tan 81° ≈	20. ta	an 38° ≈	21. $\tan 12^{\circ} \approx \$
22. $\tan^{-1}0.65 \approx$	he nearest 0.1 de	egree. Check your work an ⁻¹ $\frac{13}{7} \approx \underline{\qquad}$ $\underline{\qquad}$ \underline{\qquad} $\underline{\qquad}$ \underline{\qquad} $\underline{\qquad}$ $\underline{\qquad}$ \underline{\qquad} $\underline{\qquad}$ $\underline{\qquad}$ \underline{\qquad} $\underline{\qquad}$ \underline{\qquad} $\underline{\qquad}$	by finding the tangent of each answers. 24. $tan^{-1}0.4 \approx$
tan	_≈ 0.65 ta	an _≈ 7	tan ≈ 0.4
Use the figure to the right for problems 25–28. Write the sines and cosines as ratios and as decimals to the nearest hundredth. 25. $\sin X = $			
27. cos <i>X</i> = =	28. c	cos Y = =	Δ 14,4
29. When you know inverse sine, sin	the sine of an ang ¹ . Describe how to	gle, you can find the meas o find the inverse sine of t	sure of the angle in degrees by using the the number <i>n</i> on your calculator.
30. In Problem 25 yc measure of $\angle X$.	ou found the sine o	of $\angle X$. Use your calculato	r to find the inverse sine of $\angle X$, which is the

31. Show how to use a different inverse to find $m \angle X$. (Use your answer from Problem 27.)

32. If you calculated m $\angle X$ correctly, what is m $\angle Y$?

Confirm your answer by using the inverse cosine.