# Ch. 29 - Board Problems

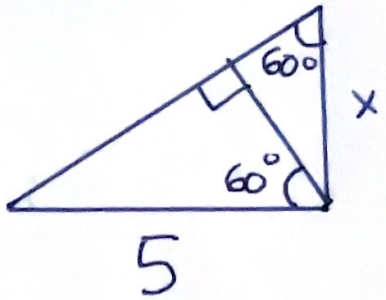
## Simplify Radicals

① $3\sqrt{72}$ ② $4\sqrt{192}$

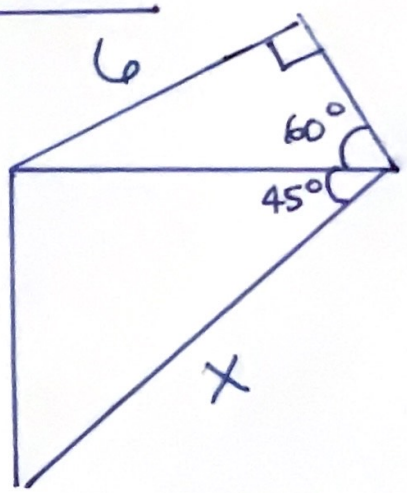
## Special Right Triangles

Solve for x.

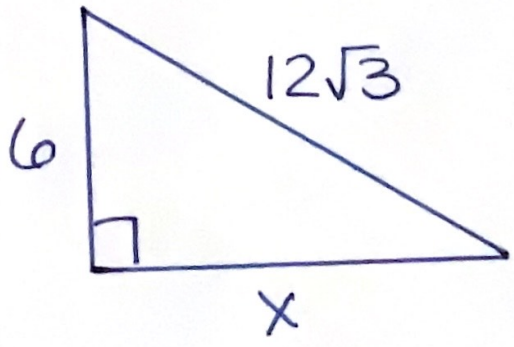
③

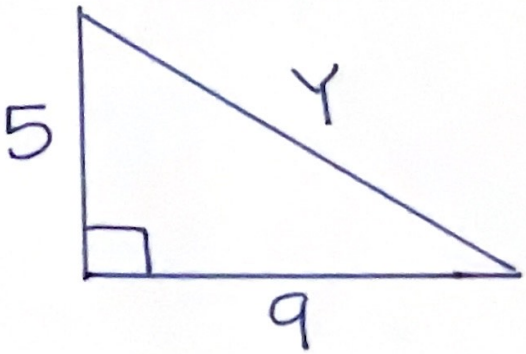



④



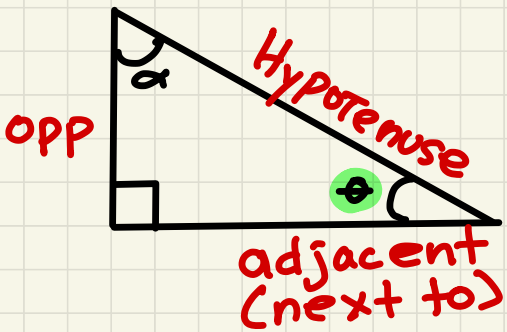

## Pythagorean Theorem



# Ch. 29 - Trigonometry

**Applies to:** _____

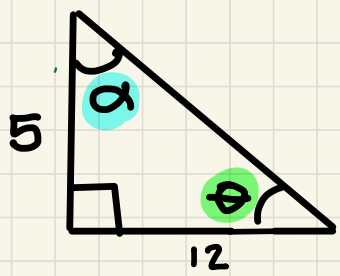



**SOH - CAH - TOA**

$\sin\theta =$ ___

$\cos\theta =$ ___

$\tan\theta =$ ___

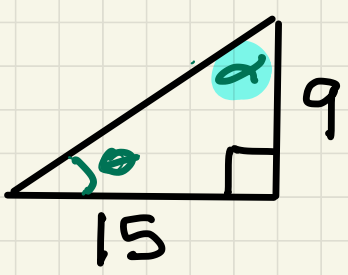



**SOH-CAH-TOA**

$\sin\theta =$ ___ $\quad \sin\alpha =$ ___

$\cos\theta =$ ___ $\quad \cos\alpha =$ ___

$\tan\theta =$ ___ $\quad \tan\alpha =$ ___

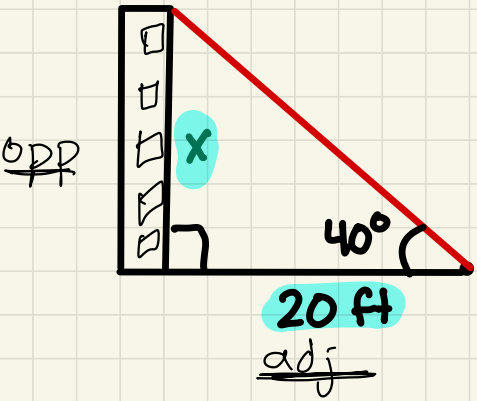



$\sin\theta =$ ___ $\quad \sin\alpha =$ ___

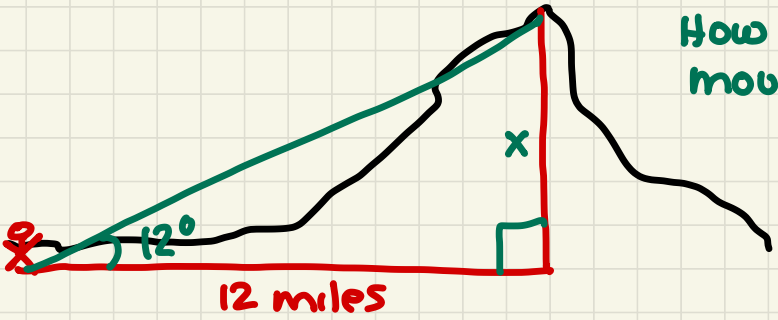
$\cos\theta =$ ___ $\quad \cos\alpha =$ ___

$\tan\theta =$ ___ $\quad \tan\alpha =$ ___

# Ch. 29 - Trigonometry




How tall is the building?

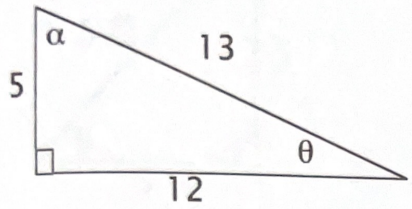



How tall is the mountain?

29A

1. $\sin\theta =$

4. $\sin\alpha =$

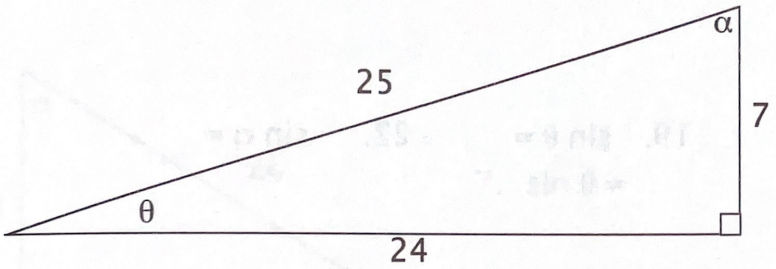



2. $\cos\theta =$

5. $\cos\alpha =$

3. $\tan\theta =$

6. $\tan\alpha =$




7. $\sin\theta =$

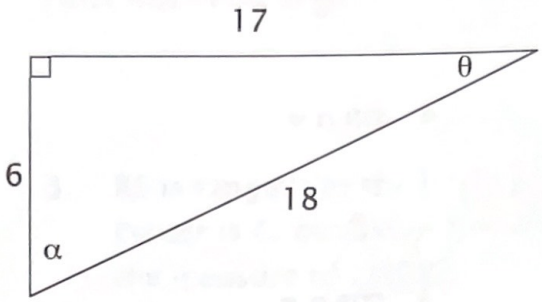
10. $\sin\alpha =$

8. $\cos\theta =$

11. $\cos\alpha =$

9. $\tan\theta =$

12. $\tan\alpha =$




13. sin θ =

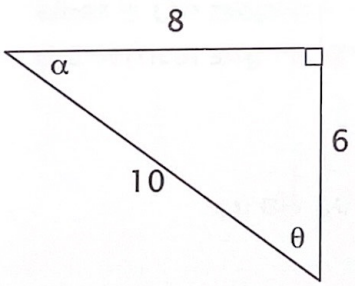
14. cos θ =

15. tan θ =

16. sin α =

17. cos α =

18. tan α =




19. sin θ =

20. cos θ =

21. tan θ =

22. sin α =

23. cos α =

24. tan α =