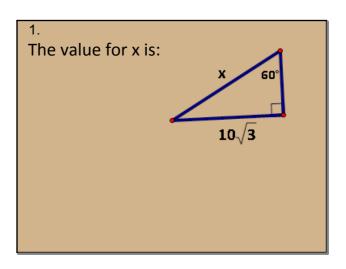
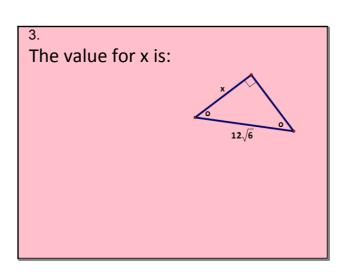
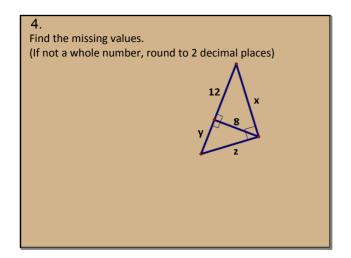
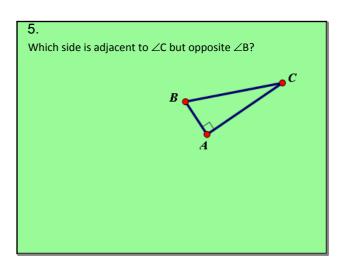
REVIEW
SRT.5-9
Geometric Mean, Special Right
Triangles, and Trigonometry



2.What is the geometric mean of 42 and 12?67 62

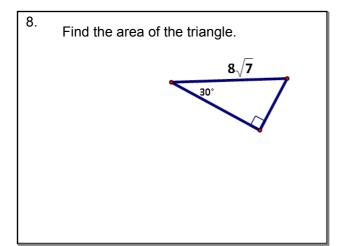


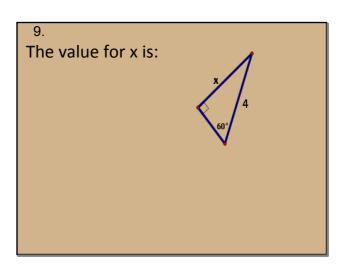


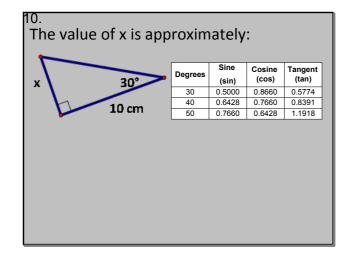


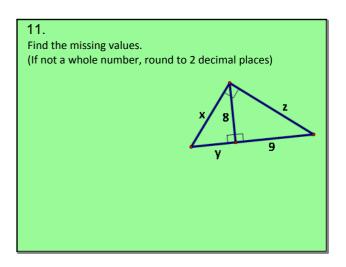
6. If the long leg of a 30°,60°,90° triangle is  $6\sqrt{3}$ cm, then the area of the triangle is what?

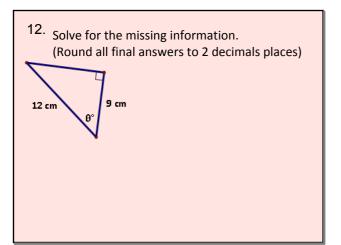
7. If m is the geometric mean of a and b, then  $\frac{m}{a} = \frac{a}{b}$  True or False

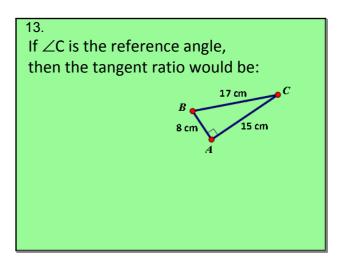


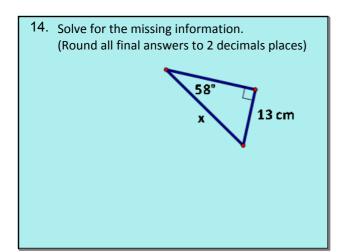


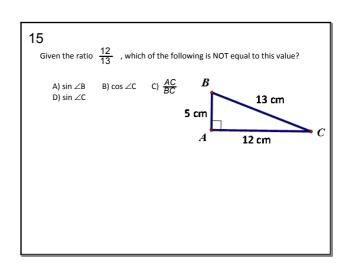










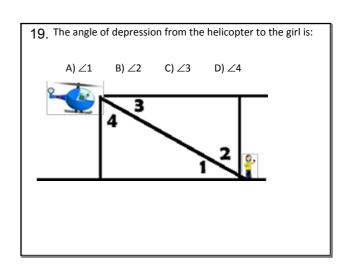


16. The Sine ratio of  $64^\circ$  is equal to the Cosine ratio of  $26^\circ$ .

T or F

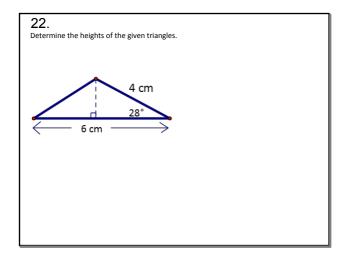
17. 
$$34\frac{2}{5}$$
° sin  $5 = \cos_{0}$ °

$$\sin^{18.}(x + 18^\circ) = \cos(45^\circ)$$



20.
A telephone pole casts a shadow 8 ft long when the sun's rays strike the ground at an angle of 50°. How tall is the pole?

21. A boy is flying a kite on a string 75 ft long. Determine the height of the kite in feet, if the string is at an angle of  $42^\circ$  to the ground. (2 decimal places)



Determine the missing angle that makes the equation true.  $\sin 34^\circ = \sin \underline{\hspace{1cm}}$ 

24.

Diagram  $\Delta \text{ABC}$  and then calculate the area

m∠A = 95°

b = 15 cm

c = 18 cm

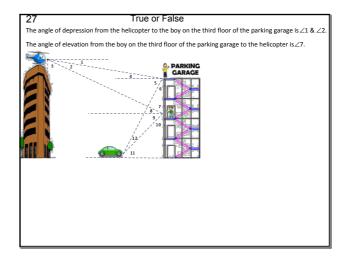
25.

TRUE/FALSE

In a triangle, there will always be three heights.

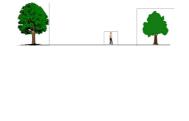
26. What is the area of the triangle?

9 cm
12 cm



28.

A man stands between two trees and he is 70 ft from the tall tree and 50 ft from the shorter tree. If he sees the taller tree at an angle of  $38^\circ$  and the smaller at  $45^\circ$ , what is the difference in the heights of the two trees (to the nearest foot) ?



Answers

- 1. 20
- 2. 6J14 and -6J14
- 3. 12|3
- 4. x= 14.42 , y=5.33 , z= 9.61
- 5. AC

6. 1853

7. F

8. 5613

9. 213

10. 5.774

11. x= 10.70, y= 7.11, z= 12.04

12. 41.41

13. 8/15

14. 15.33

15. D

16. T

17. 55 3/5

18. 2	27	
19.	С	
20. 9	9.53	
21. 3	50.18	
22. 1	.88	
23. 1	46	

24. 134.49
25. True
26. 44.23
27. T, F
28. 5 ft