

Name:

Date:

Period:

HW #9-6: Quiz Review

1. Simplify the following.

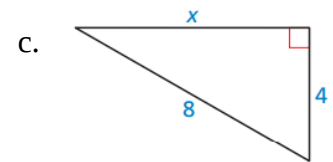
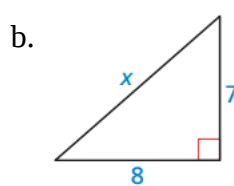
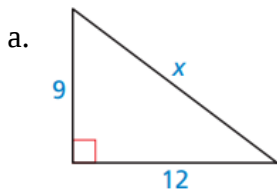
a. $\sqrt{16x^3y^4}$

b. $\sqrt{75x^6y^2}$

c. $\sqrt{72x^{11}y^8z^7}$

2. List the 4 common Pythagorean Triples we discussed this chapter.

3. Find the value of x. Exact answers. Then tell whether it forms a Triple.



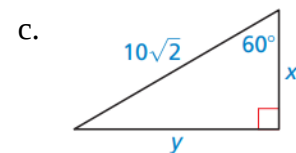
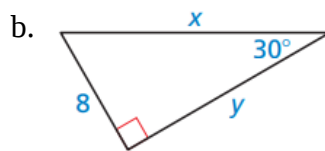
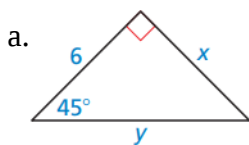
4. Given the side lengths of the triangle, classify the triangle as acute, right, or obtuse.

a. 24, 32, and 40

b. 7, 9, and 13

c. 12, 15, and $10\sqrt{3}$

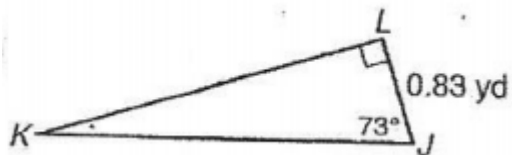
5. Find the values of x and y.



6. Find the area of the triangle in 5(c).

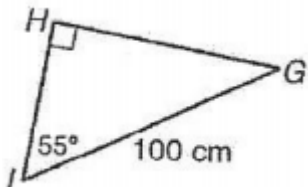
7. Find the perimeter of the triangle in 5(a).

8. Find KL. Exact and approximate answers.

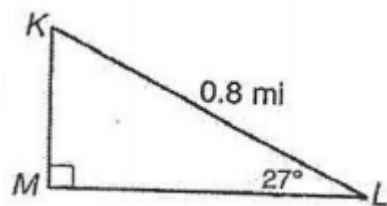


TRIG PRACTICE: *might* be extra credit... ☺

9. Find HI. Exact and approximate answers.



10. Find KM. Exact and approximate answers.



11. $\sin 0^\circ =$ _____

12. $\sin 90^\circ =$ _____

13. $\cos 0^\circ =$ _____

14. $\cos 90^\circ =$ _____

15. $\tan 0^\circ =$ _____

16. $\tan 90^\circ =$ _____