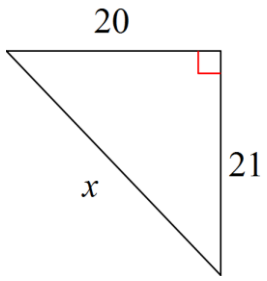
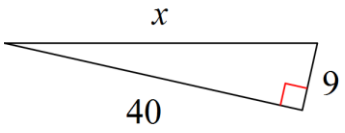
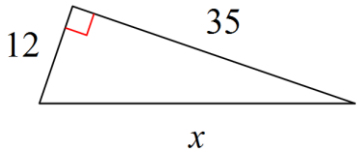
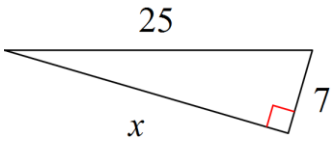
Name _____ **Hour** _____

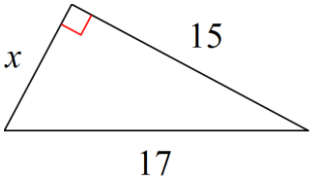
Find the unknown side length. Write answers in simplest radical form.

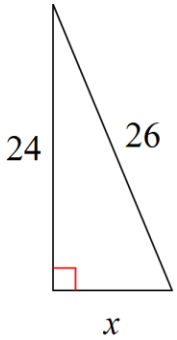
1. 

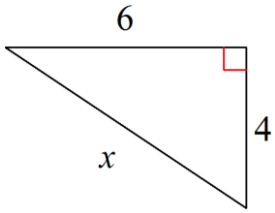
2. 

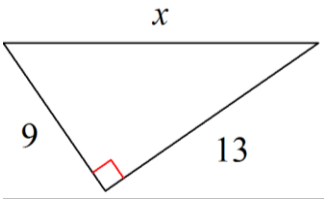
3. 

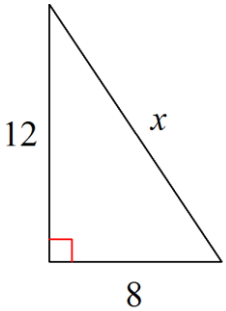
4. 

5. 

6. 

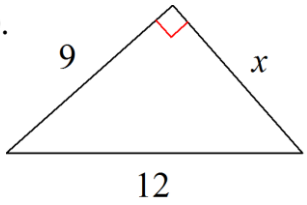
7. 

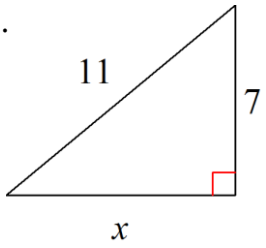
8. 

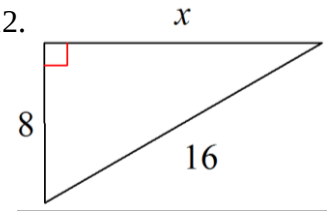
9. 

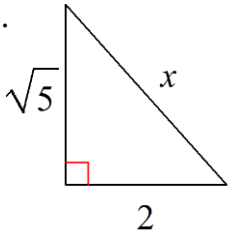
Pythagorean Theorem

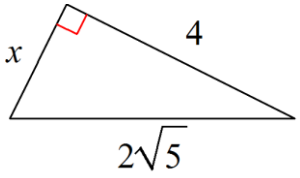
Find the unknown side length. Write answers in simplest radical form.

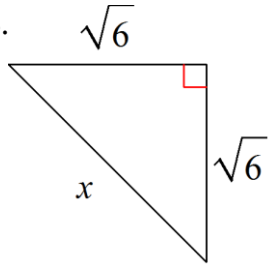
10. 

11. 

12. 

13. 

14. 

15. 

Simplify the expression.

16. $\sqrt{32} \cdot \sqrt{2}$

17. $\sqrt{6} \cdot \sqrt{15}$

18. $4\sqrt{18} \cdot \sqrt{12}$

19. $2\sqrt{3} \cdot 5\sqrt{3}$

20. $\frac{20}{\sqrt{5}}$

21. $\frac{4}{\sqrt{8}}$

22. $\frac{16}{\sqrt{24}}$

23. $\frac{\sqrt{18}}{\sqrt{10}}$