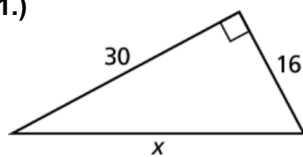


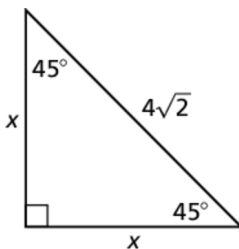
9.1 – 9.3 Re-Cap

Find the value of the variable(s)

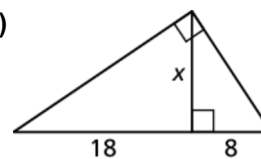
1.)



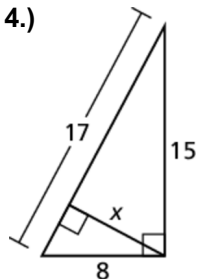
2.)



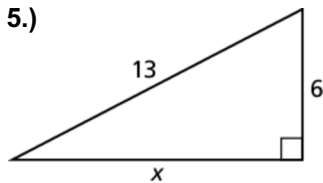
3.)



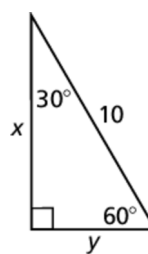
4.)



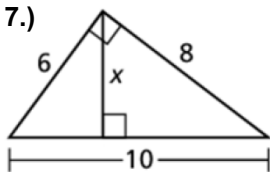
5.)



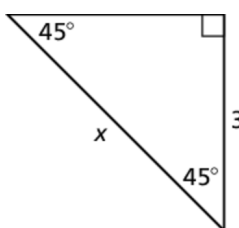
6.)



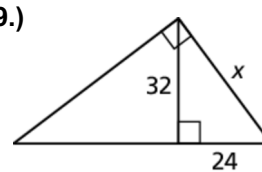
7.)



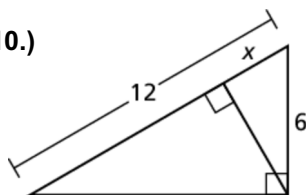
8.)



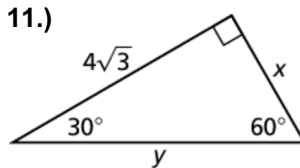
9.)



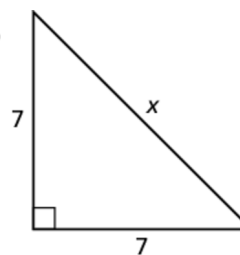
10.)



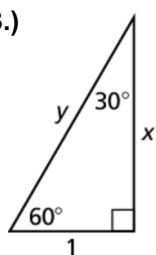
11.)



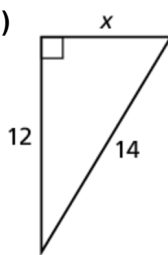
12.)



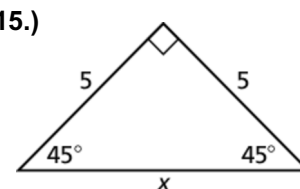
13.)



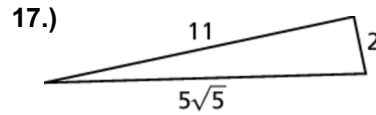
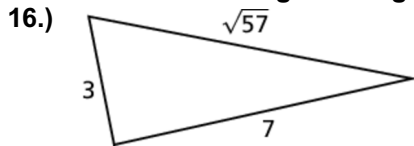
14.)



15.)



Tell whether the triangle is a right triangle. (Justify)



Find the geometric mean of the two numbers.

18. 3 and 12

19. 14 and 4

20. 10 and 24

Verify that the segment lengths form a triangle. Is the triangle *acute*, *right*, or *obtuse*?

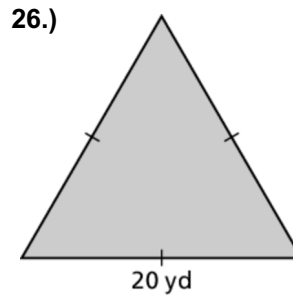
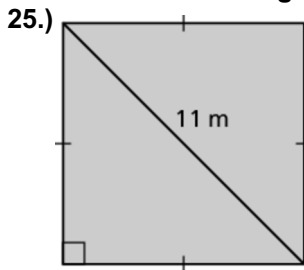
21.) 5, 13, 12

22.) 7, 5, 8

23.) 11, 10, 2

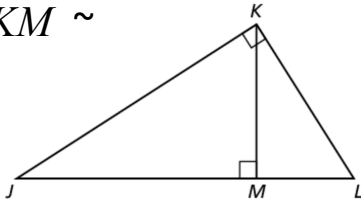
24.) $6, \sqrt{8}, 4$

Find the area of the figure. Round decimal answers to the nearest tenth.

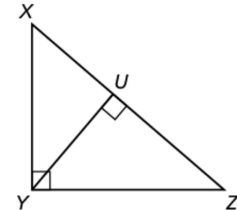


Identify the similar triangles to the statement

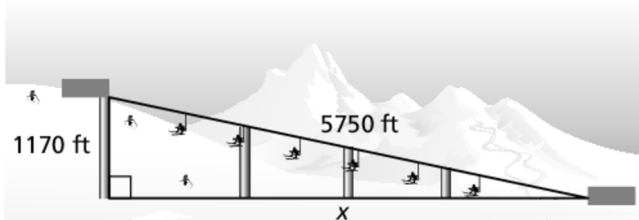
27.) $\triangle JKM \sim$



28.) $\triangle ZYU \sim$



29.) A ski lift forms a right triangle, as shown. Approximate the horizontal distance traveled by a person riding the ski lift.



30.) A 12-foot ladder is leaning up against a wall, as shown. How high does the ladder reach up the wall when x is 30° ? 45° ? 60° ?

