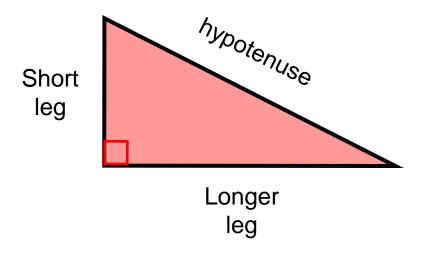
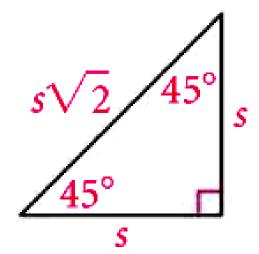


30°-60°-90° Triangle Theorem



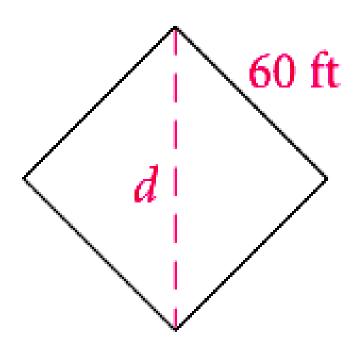
hypotenuse = $\sqrt{2} \cdot \log$

45°-45°-90° Triangle Theorem

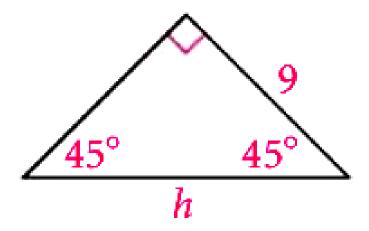


Softball A high school softball diamond is a square. The distance from base to base is 60 ft.

To the nearest foot, how far does a catcher throw the ball from home plate to second base?

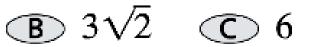


45°-45°-90° Triangle Theorem Find the value of each variable.



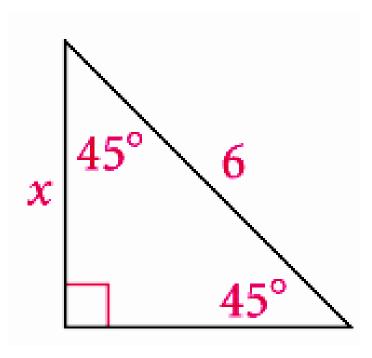
Multiple Choice What is the value of x?



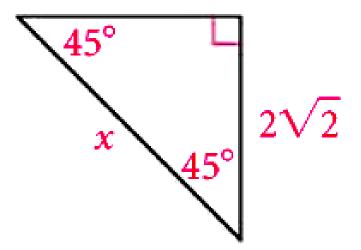




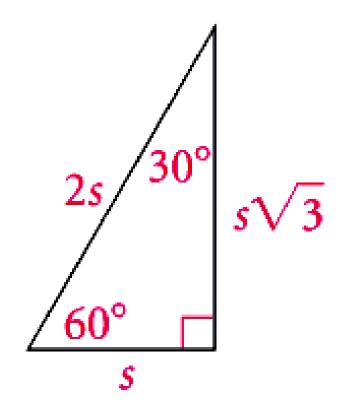




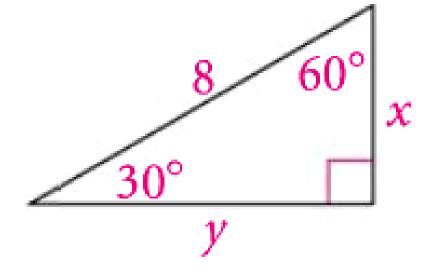
45°-45°-90° Triangle Theorem Find the value of each variable.



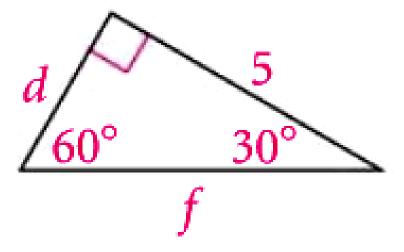
30°-60°-90° Triangle Theorem hypotenuse = $2 \cdot \text{shorter leg}$ longer leg = $\sqrt{3} \cdot \text{shorter leg}$



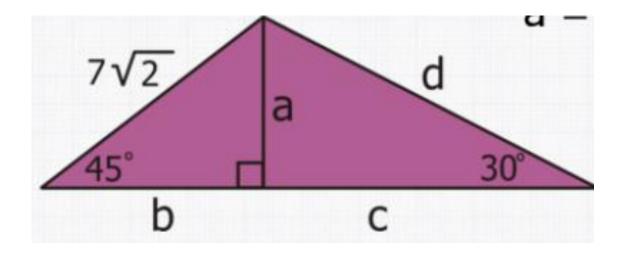
Using the Length of One Side



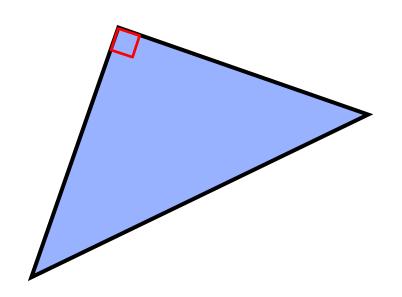
Using the Length of One Side



Find the *perimeter* of the largest triangle



45°-45°-90° Triangle Theorem



30°-60°-90° Triangle Theorem

