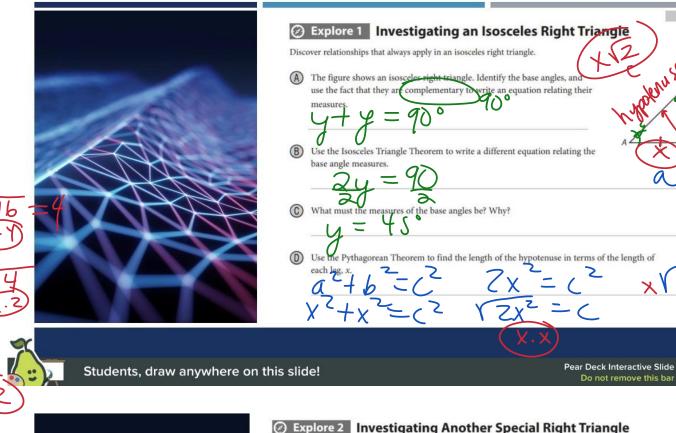
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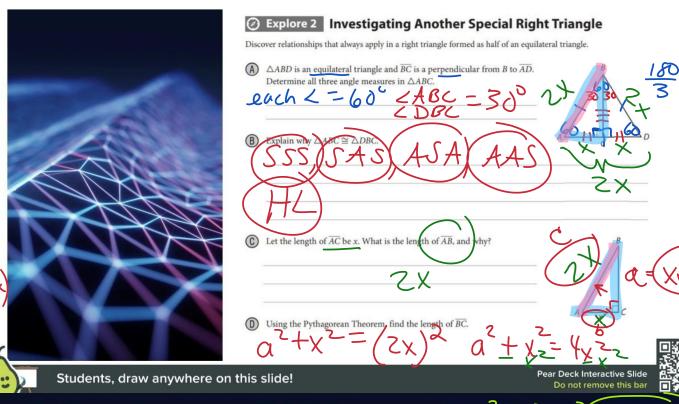
https://app.peardeck.com/student/tybgelmao







Locker

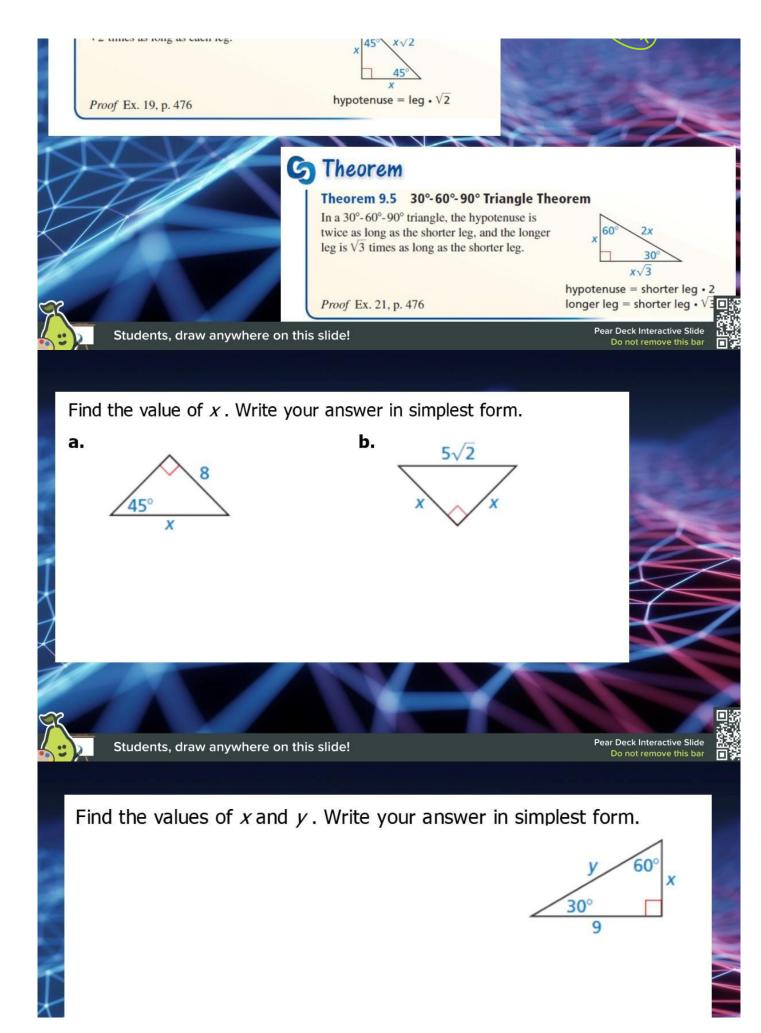


Theorem

Theorem 9.4 45°-45°-90° Triangle Theorem

In a 45°-45°-90° triangle, the hypotenuse is

V2 times as long as each lea





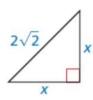
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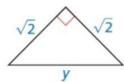


Find the value of the variable. Write your answer in simplest form.

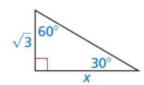
1.



2.



3



4.





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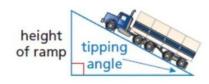


The road sign is shaped like an equilateral triangle. Estimate the area of the sign by finding the area of the equilateral triangle.



A tipping platform is a ramp used to unload trucks. How high is the end of an 80-foot ramp when the tipping angle is 30°? 45°?





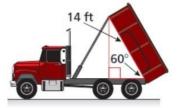


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- **5.** The logo on a recycling bin resembles an equilateral triangle with side lengths of 6 centimeters. Approximate the area of the logo.
- **6.** The body of a dump truck is raised to empty a load of sand. How high is the 14-foot-long body from the frame when it is tipped upward by a 60° angle?





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