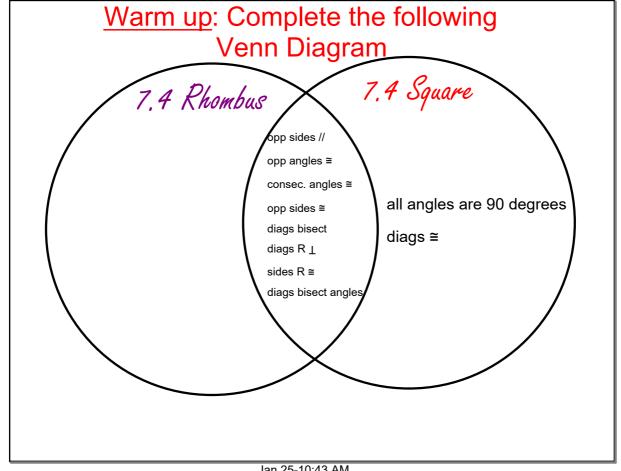
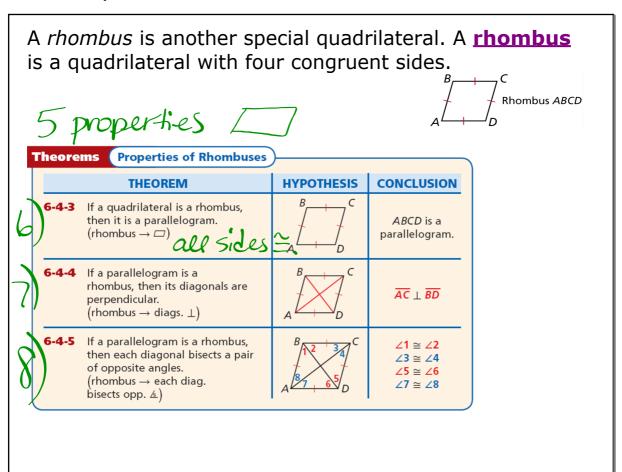
7.4 Rhombus and Square



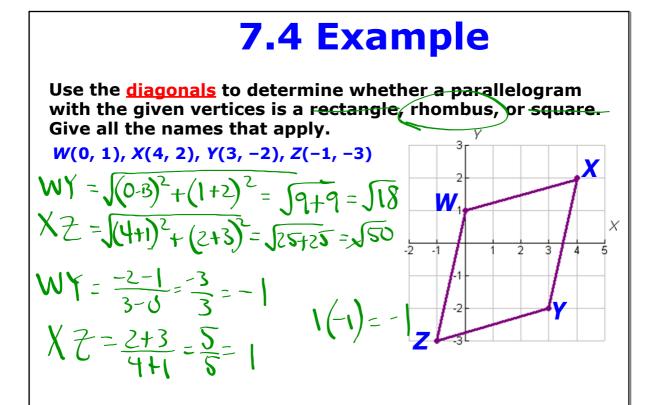
Jan 26-12:26 PM



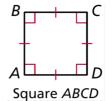
Jan 25-10:43 AM



Jan 25-10:29 AM



A square is a quadrilateral with four right angles and four congruent sides. Since a square is a parallelogram, a rectangle, and a rhombus it has the properties of all three.

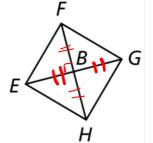


10 total properties

EX. Determine if the conclusion is valid. If not, tell what additional information is needed to make it valid.

Given:

 $\overline{EB} \cong \overline{BG}, \overline{FB} \cong \overline{BH}, \overline{EG} \cong \overline{FH}, \triangle EBF \cong \triangle EBH$



Conclusion: *EFGH* is a square.

	Parallelogram	Rectangle	Rhombus	Square
0	Yes	Yes	Yes	Yes

Jan 25-10:32 AM

7.4 Example

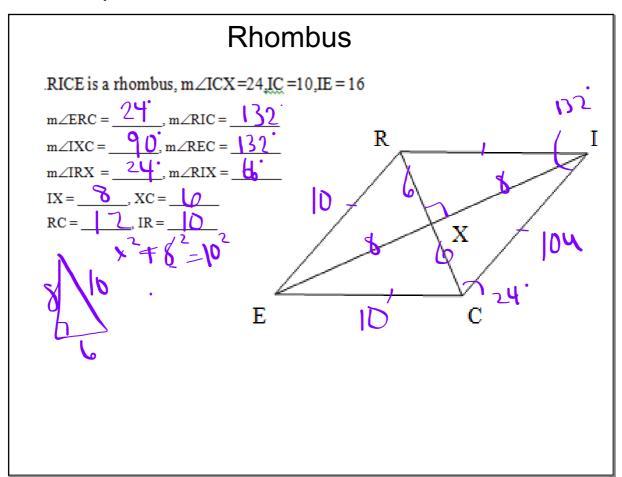
Ex. Builders often use a square frame when building houses.

If XW = 13, then WZ = $\frac{13}{3}$, XZ = $\frac{13.385}{8.385}$ and AZ = $\frac{9.192}{3}$.

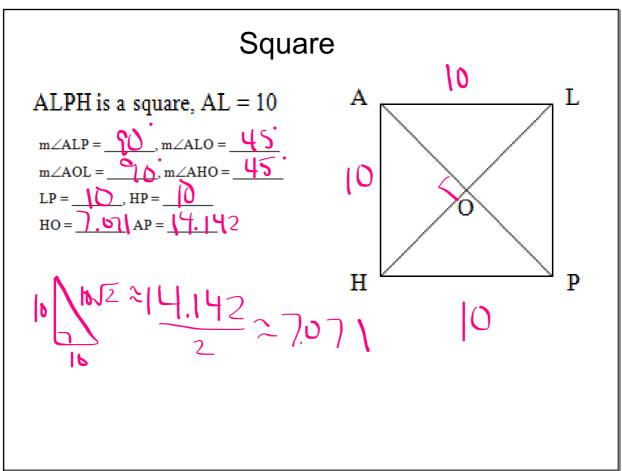
Find x if m \angle AZW = 3x + 15. $\frac{13}{3}$ $\frac{13.12}{3}$ $\frac{13.12}{3}$ $\frac{13.12}{3}$ $\frac{13.12}{3}$ Hint: Check answers by moving picture!!

Jan 25-10:32 AM

7.4 Rhombus and Square



Jan 13-2:43 PM



Jan 13-2:46 PM

Christopher Le and Hunter Lockwood Rhombus.pptx

Rhombus follow up.gsp

Square follow up.gsp

Get on the RhomBUS! 2nd per.pptx

Squares 4th period.docx

The Square 4th per.pptx

Parallelogram follow up.gsp

Rectangle follow up.gsp