

Lesson 8.3

Homework Answers

Pg 435 - #1-19, 22-28, 30-39, 53-57

Pg 429 - #1-10

<p><u>Pg 435</u></p> <ol style="list-style-type: none">Yes; $\triangle ABC \sim \triangle FED$; $SSS \sim Thm$No; for $\triangle RST$ included \angle not known(Ex 1) $1: \frac{2}{3}$ (for $\triangle ABC$ to $\triangle FED$) (Ex 2) Not possible; Δ's not \simYes; $\triangle FHG \sim \triangle KHJ$; $AA \sim Post.$No; $\frac{6}{3} \neq \frac{10}{4}$No; $\frac{20}{45} \neq \frac{25}{55}$Yes; $\triangle APJ \sim \triangle ABC$; $SSS \sim Thm.$ or $SAS \sim Thm.$Yes; $\triangle NMP \sim \triangle NQR$; $SAS \sim Thm$No; $\frac{32}{22} \neq \frac{45}{30}$$AA \sim Post.$; 7.5$AA \sim Post.$; 2.5$AA \sim Post.$; $12\frac{5}{6}$$AA \sim Post.$; 12$AA \sim Post.$; 8$AA \sim Post.$; 15$SAS \sim Thm.$; 12m$AA \sim Post.$; 220 yd$AA \sim Post.$; 15 ft 9 in$AA \sim Post.$; 90 fta) trapezoid b) $\triangle RSZ \sim \triangle TWZ$; $AA \sim Post.$	<ol style="list-style-type: none">a) No; the corr. \angle's may not be \cong b) Yes; every isosc. rt. Δ is a 45-45-90. Therefore, by $AA \sim Thm.$ they are all \sim.Yes; $\triangle GMK \sim \triangle SMP$; $SAS \sim Thm.$Yes; $\triangle AWV \sim \triangle AST$; $SAS \sim Thm.$Yes; $\triangle XYZ \sim \triangle MNK$; $SSS \sim Thm.$No; there is only 1 \angle of ea $\Delta \cong$45 ft3:22:112:74:33:13:23:22:13:16:1EZYZ$W(-b, c)$; $Z(-b, -c)$$W(-b, c)$; $Z(-a, 0)$$6 < x < 24$
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Pg 429

1. 1:8

2. $\frac{b}{10}$

3. no; $\frac{4}{6} \neq \frac{8}{10}$

4. 2

5. $\frac{34}{7}$

6. 12.5 ft

7. $\angle BDF$

8. BF

9. 3 ft by 2 ft

10. $3\frac{1}{3}$