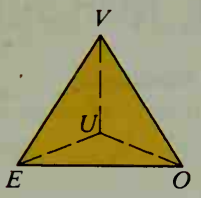
11. If $VE > VO$, then $m\angle$? $> m\angle$?.

12. If $m\angle UEO > m\angle UOE$, then ? $>$?.

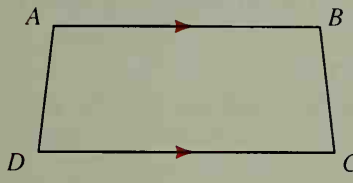
13. If $\overline{VE} \cong \overline{VO}$ and $m\angle UVE > m\angle UVO$, then ? $>$?.

14. If $m\angle EVU = 60$, $\overline{OE} \cong \overline{OU}$, and $m\angle VOE > m\angle VOU$, then the largest angle of $\triangle UVE$ is $\angle$?.

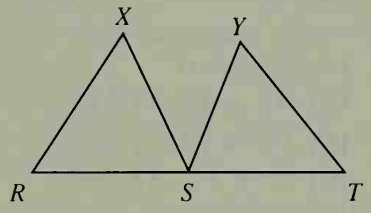


Exs. 11–14

15. Write an indirect proof.
Given: Trap. $ABCD$ with $\overline{AB} \parallel \overline{DC}$
Prove: $\angle C$ and $\angle D$ are not both right angles.



16. Given: $XS > YS$; $\overline{RX} \cong \overline{TY}$; S is the midpoint of $\overline{RT}$.
Prove: $m\angle R > m\angle T$



Algebra Review: *Fractions*

Simplify the following fractions.

Example **a.** $\frac{8w}{2}$ **b.** $\frac{5t - 10}{15}$ **c.** $\frac{x + 6}{36 - x^2}$

Solution **a.** $4w$ **b.** $\frac{5(t - 2)}{15} = \frac{t - 2}{3}$ **c.** $\frac{x + 6}{(6 - x)(6 + x)} = \frac{1}{6 - x}$

1. $\frac{14}{70}$ **2.** $\frac{75}{15}$ **3.** $\frac{18a}{36}$ **4.** $\frac{3x}{x}$

5. $\frac{x}{3x}$ **6.** $\frac{5bc}{10b^2}$ **7.** $\frac{-8y^3}{2y}$ **8.** $\frac{-18r^3t}{12rt}$

9. $\frac{3ab^2}{6bc}$ **10.** $\frac{6a + 12}{6}$ **11.** $\frac{9x - 6y}{3}$ **12.** $\frac{33ab - 22b}{11b}$

13. $\frac{x + 2}{3x + 6}$ **14.** $\frac{2c - 2d}{2c + 2d}$ **15.** $\frac{t^2 - 1}{t - 1}$ **16.** $\frac{5a + 5b}{a^2 - b^2}$

17. $\frac{b^2 - 25}{b^2 - 12b + 35}$ **18.** $\frac{a^2 + 8a + 16}{a^2 - 16}$ **19.** $\frac{3x^2 - 6x - 24}{3x^2 + 2x - 8}$