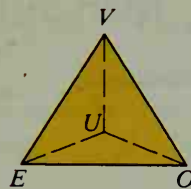
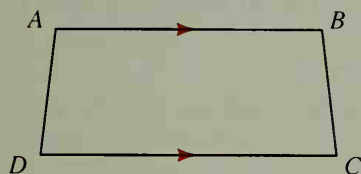


11. If $VE > VO$, then $m\angle \underline{\quad} > m\angle \underline{\quad}$.
12. If $m\angle UEO > m\angle UOE$, then $\underline{\quad} > \underline{\quad}$.
13. If $\overline{VE} \cong \overline{VO}$ and $m\angle UVE > m\angle UVO$, then $\underline{\quad} > \underline{\quad}$.
14. If $m\angle EVU = 60$, $\overline{OE} \cong \overline{OU}$, and $m\angle VOE > m\angle VOU$, then the largest angle of $\triangle UVE$ is $\angle \underline{\quad}$.

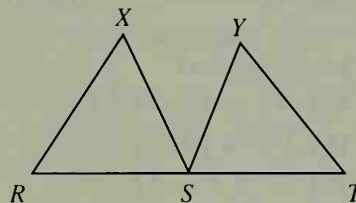


Exs. 11-14

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. $\frac{3x^2 - 6x - 24}{3x^2 + 2x - 8}$