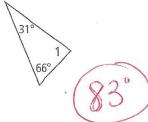
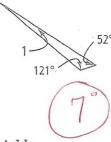
Practice

Form K

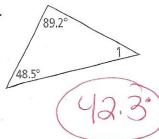
Parallel Lines and Triangles

Find $m \angle 1$.

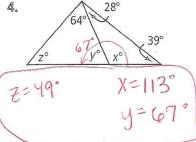


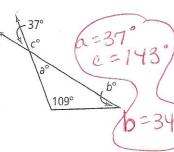


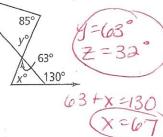
3.



Algebra Find the value of each variable.





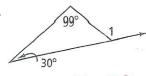


7. a. Which of the numbered angles are exterior angles?

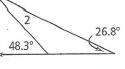
- b. Name the remote interior angles for each exterior angle. $\frac{210}{4} = \frac{24}{6} = \frac{6}{8}$ c. Which two exterior angles share the same remote interior
- angles? Explain.

26 and 24

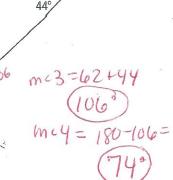
Algebra Find each missing angle measure.



$$m \le 1 = 99 + 30$$



10.



11. What are the values of x and y in the right triangle?

$$y+90+34=180$$
 $y=56^{\circ}$

45

Chapter 3 Quiz 1

essons 3-1 through 3-5

Do you know HOW?

State the theorem or postulate that justifies each statement.

1. If $\angle 1 \cong \angle 4$, then $p \parallel q$.

- 3. $m \angle 7 + m \angle 8 = 180$

5. If $\angle 2 \cong \angle 4$, then $p \parallel q$.

- **6.** ∠8 ≅ ∠9 Conv. of alt. int. 4thm Vertical x's thin
- 7. If $\angle 3 \cong \angle 8$, then $p \parallel q$.
- **8.** ∠6 ≅ ∠9

Convert corresp. & thin

Corresp. of thm.

9. If $m \angle 2 + m \angle 6 = 180$, then $p \| q$.

Conv. of Same side into 7 thm.

Name two pairs of each type of angle.

- 10. Corresponding
- 11. Alternate interior
- 12. Vertical

25 and 26; 28 and 29.

- 2 | cnd 24; 2 doyd 27 26 and 28; 24 and 2
- 13. Same-side interior 14. Same-side-exterior



In a triangle, $\angle 1$, $\angle 2$, and $\angle 3$ are interior angles, and $\angle 4$ is an exterior angle with remote interior angles $\angle 2$ and $\angle 3$. Find the missing angle measures.



- **15.** $m\angle 2 = 50$ and $m\angle 3 = 80$
 - may =130' m4 =50'
- 17. $m \angle 1 = 75$ and $m \angle 3 = 20$
- **19.** $m \angle 3 = 40$ and $m \angle 2 = 65$ m=4=105; m== 15°
- 16. $m \angle 4 = 100$ and $m \angle 2 = 50$
 - m=3=50°; m=1=80°
- = 75 and $m \angle 3 = 20$ 18. $m \angle 4 = 110$ and $m \angle 2 = 70$ $m \angle 4 = 105$; $m \angle 1 = 70$

 - **20.** $m \angle 1 = 60$ and $m \angle 3 = 30$

m44=120 ; m-2=90°

Do you UNDERSTAND?

21. Error Analysis A student made the following incorrect statement. What is wrong with her statement? How do you know?

If line a is parallel to line b, and line b is parallel to line c, then line a must be perpendicular to line c.

22. Open-Ended Give an example from your classroom of two lines that neight of dow frame and length of windows. are skew.