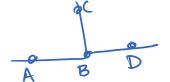
## Kel

## SECTION 1.4 DAY 1:

Page 31-33 #1, 2, 7-11, 23, 24, 26, 29, 39, 42

Vocabulary Apply the vocabulary from this lesson to answer each question.

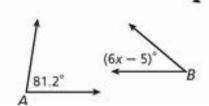
- **1.** An angle measures  $x^{\circ}$ . What is the measure of its *complement?* What is the measure of its supplement? 180-X 90-X
- 2. ∠ABC and ∠CBD are adjacent angles. Which side do the angles have in common?





Find the measure of each of the following.

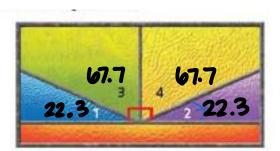
- **7.** supplement of  $\angle A$  98.8 **8.** complement of  $\angle A$  8.8
- **9.** supplement of  $\angle B$  | \$5- $\emptyset \times$  **10.** complement of  $\angle B$  95- $\emptyset \times$



44 Mulai Cam An angle's massure is 6 domeses m

**23.** Art In the stained glass pattern,  $\angle 1 \cong \angle 2$ .  $\angle 1$  and  $\angle 3$  are complementary, and  $\angle 2$  and  $\angle 4$  are complementary. If  $m\angle 1 = 22.3^{\circ}$ , find  $m\angle 2$ ,  $m\angle 3$ , and  $m\angle 4$ .

$$\angle 1 = 22.3$$
 $\angle 3 = 67.7$ 
 $\angle 4 = 67.7$ 
 $\angle 2 = 22.3$ 



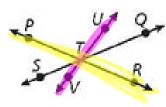
24. Name the pairs of vertical angles.

LPTS and ZRTR

ZPTQ and ZSTR

2 STV and 2 UTD

< STU and < VTR



ZPTU and ZVTR ZPTV and ZUTR

**Multi-Step**  $\angle ABD$  and  $\angle BDE$  are supplementary. Find the measures of both angles.

**26.** 
$$m\angle ABD = 5x^{\circ}, m\angle BDE = (17x - 18)^{\circ}$$

Multi-Step  $\angle ABD$  and  $\angle BDC$  are complementary. Find the measures of both angles.

**29.** 
$$\text{m} \angle ABD = (5y+1)^{\circ}, \text{m} \angle BDC = (3y-7)^{\circ}$$

39. What is the value of x in the

- A 15
- B 30

