

Showing congruent angles in a diagram...
2) What is the difference between $\angle A E D$ and $\angle A E C$ ?

ANSWER: Nothing. They are the same angle.

In an angle, the "corner" is the ONLY part that matters. It doesn't matter how long the sides are.

MIII/L
$5^{2}+5^{1}+5^{0}+5^{-1}+5^{-2}$

- What is the complement of a $50^{\circ}$ angle?
- What is the supplement of a $50^{\circ}$ angle?
- What is the complement of a $27^{\circ}$ angle?
- What is the supplement of a $102^{\circ}$ angle?
- What is the supplement of a $155.5^{\circ}$ angle?
- What is the complement of a $45^{\circ}$ angle?
- What is the complement of a $95^{\circ}$ angle?


## Supplementary Angles...



Name an example of each of the following:

- A right angle
- An obtuse angle
- A pair of adjacent angles
- A pair of supplementary angles

Suppose the measure of angle PSQ is $40^{\circ}$.
Lazy way to say it (I am guilty of this sometimes):
"Angle QSR is 50 degrees."
Better way to say it:
"The measure of angle QSR is $\mathbf{5 0}$ degrees."
Lazy way of writing it: $\angle Q S R=50^{\circ}$
Better way of writing it: $\mathrm{m} \angle Q S R=50^{\circ}$

## 

- Two angles that form a straight line will always be supplementary!

- $m \angle 1+m \angle 2=180^{\circ}$

Common Error: "A straight line is $180^{\circ}$ "

- These two angles DO NOT form a straight angle.
- If you put the vertices of the two angles together, you can see that it is not $180^{\circ}$.



## Go over Homework

## PROTRACTOR/RULER RULES

- Do not bend them. They are not made of rubber.
- Do not slap them against stuff.That's annoying.
- Do not leave them out. Put them back before you leave. This is not your bedroom.
- (I will be checking that they have all been returned before I dismiss the class)



## Competition: Estimating Angle Measures

- You will have about ten seconds to estimate each angle measure.
* Do not hold up your estimates until I say "hold them up!"
- If I see you changing an answer AFTER you hold it up, you will spend the rest of the game in the hallway
, Closest estimate gets a point.
- If you get the estimate EXACT, you get two points. If you are one away, even if you're not the closest, you get one point.
, Top 3 will get a prize.
, WHY ARE WE DOING THIS??? It is very important that you are able to reasonably estimate an angle measure. This will prevent you from making mistakes in this unit.
- Even if you are not getting points, if your estimates are consistently within ten degrees or so of the real thing, you're
$\Rightarrow$ doing very well.


## WHITEBOARDS!

- Estimate the angle measure:




## WHITEBOARDS!

- Estimate the angle measure:



## WHITEBOARDS!

- Estimate the angle measure:



## WHITEBOARDS!

, BOTTOM LEFT angle:

$\stackrel{\rightharpoonup}{ }$


