Warmup 2/(# of touchdowns the Eagles scored yesterday) Created by Mr. Lischwe

***Make sure you have a SMALL whiteboard, marker, and eraser inside your desk. No big whiteboards. ***

Solve these analogies. Fill in the blanks so that both pairs of items have the same relationship.

1. Basketball: orange :: golf ball: ______

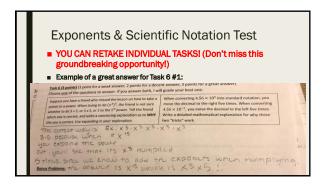
2. Blake Shelton: country :: Drake: _____

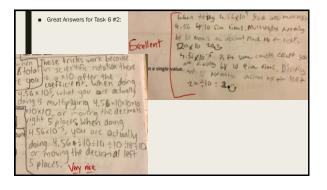
3. Solid:melt :: liquid: _____

4. Skeptical:belief :: Liar: _____

5. 16:4 :: 36: ___

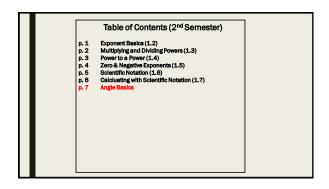
6. Addition:multiplication :: multiplication: _____

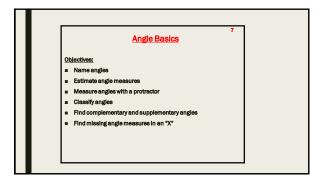




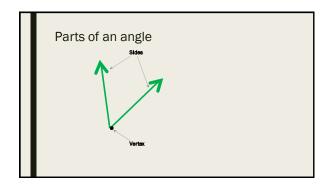
PLAN FOR THIS WEEK: Today: Basics of Angles Tuesday: Angles formed by Parallel Lines Wednesday: Angles of Triangles Thursday: Review Friday: Angles Quiz!!!

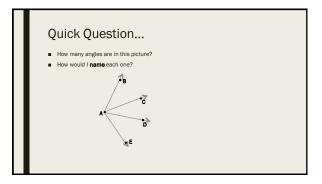
Textbook Volume 2!!! Keep your volume 1 somewhere handy – we'll go back to it later. Anytime I tell you to bring your textbook now, it should be VOLUME 2.

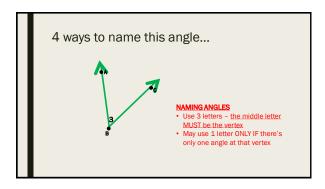


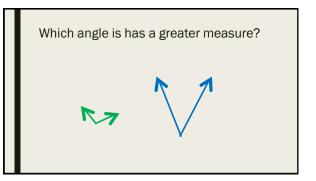


Brainstorm: ■ What do we remember about angles???



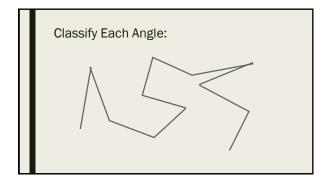






4 "Categories" of angles

- Acute: between 0 and 90 degrees
- Right: exactly 90 degrees
- Obtuse: between 90 and 180 degrees
- Straight: exactly 180 degrees
- (If I were you, I would put a picture representing each type too)
- By the way, an angle over 180 degrees is called a "reflex" angle



IMPORTANT GEOMETRY VOCAB

■ Two angles that have the same measure are called

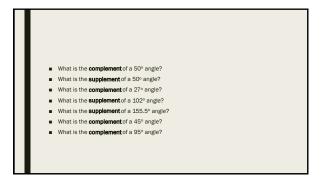
CONGRUENT.

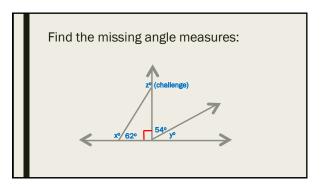
 $\blacksquare \text{ Symbol: } \cong$

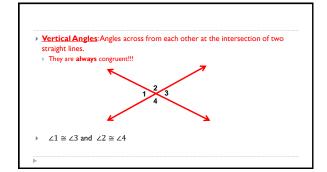
■ Adjacent Angles: Share a side and vertex Adjacent Angles: Share a side and vertex In the diagram, angles 1 and 2 are adjacent.

Complementary Angles 3. Name an angle complimentary to BDC: **Example Complementary to BDC: **Ex

- Complementary Angles are two angles whose measures add up to 90°.
- Supplementary Angles are two angles whose measures add up to 180°.
- (They don't have to be adjacenti!!)







Two angles that form a straight line will always be supplementary! $m \angle 1 + m \angle 2 = 180^{\circ}$

