

Warmup 2/ (# of touchdowns the Chiefs scored on Sunday)

Created by Mr. Lischwe

Match each table with the correct letter. Explain each choice.

1)

x	y
0	10
1	13
2	16
3	19

Letter:

C

Explain:

2)

x	y
1	14
2	15
3	16
1	17

Letter:

A

Explain:

3)

x	y
5	15
10	30
15	45
20	60

Letter:

D

Explain:

4)

x	y
2	12
4	16
6	22
8	30

Letter:

B

Explain:

A: Not a function

B: Function, but nonlinear

C: Linear, but not proportional

D: Proportional

Go over Exponents/Scientific Notation Test

- ▶ **May retake individual tasks (If you bombed a task, you really should. Don't be lazy.)**



Clever “x⁶” problems...

$$\left((x^0)^0\right)^0 \cdot (x^2)^2 \cdot x^2$$

$$(x^1 \cdot x^{-5}) \cdot (x^4 \cdot x^1 \cdot x^5)$$

$$\frac{y^3 x^6 w^2}{w^2 y^3}$$

$$\frac{co^2 kie}{co^2 kie \cdot x^{-6}}$$

$\frac{1}{x^{-6}}$ = hidden bonus; if you put this, I gave you +1/2 bonus point

Task 5 (5 points)

Make up ten different exponent problems whose answer would be x^6 .

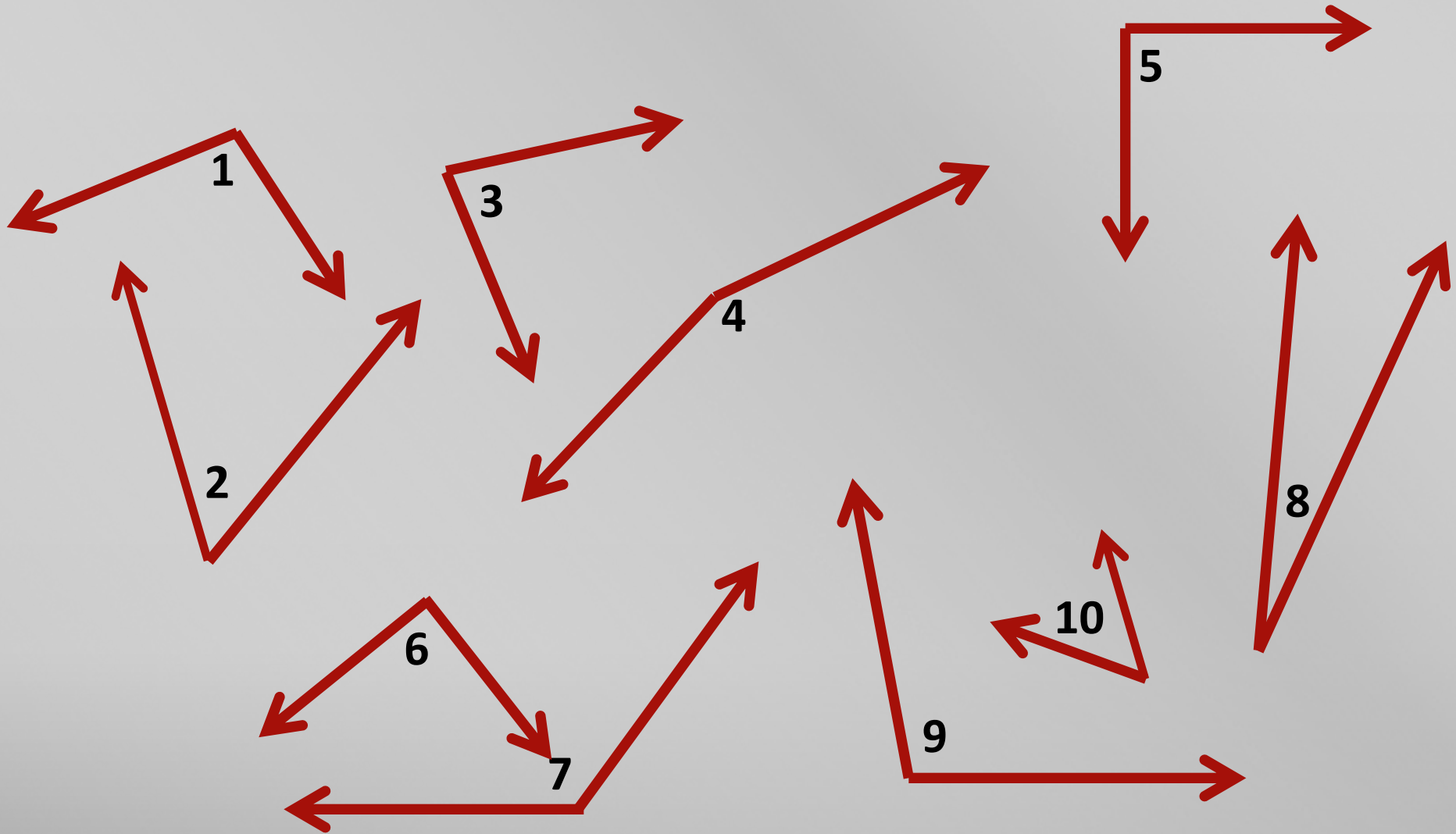
$\frac{x^{10}}{x^4}$	$\frac{x^{11}}{x^5}$	$\frac{x^{12}}{x^6}$	$\frac{x^{13}}{x^7}$	$\frac{x^{14}}{x^8}$	$\frac{x^{15}}{x^9}$	$\frac{x^{16}}{x^{10}}$	$\frac{x^{17}}{x^{11}}$	$\frac{x^{18}}{x^{12}}$	$\frac{x^{19}}{x^{13}}$
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WHITEBOARDS

- ▶ **Only math! No extra writing/drawing.**

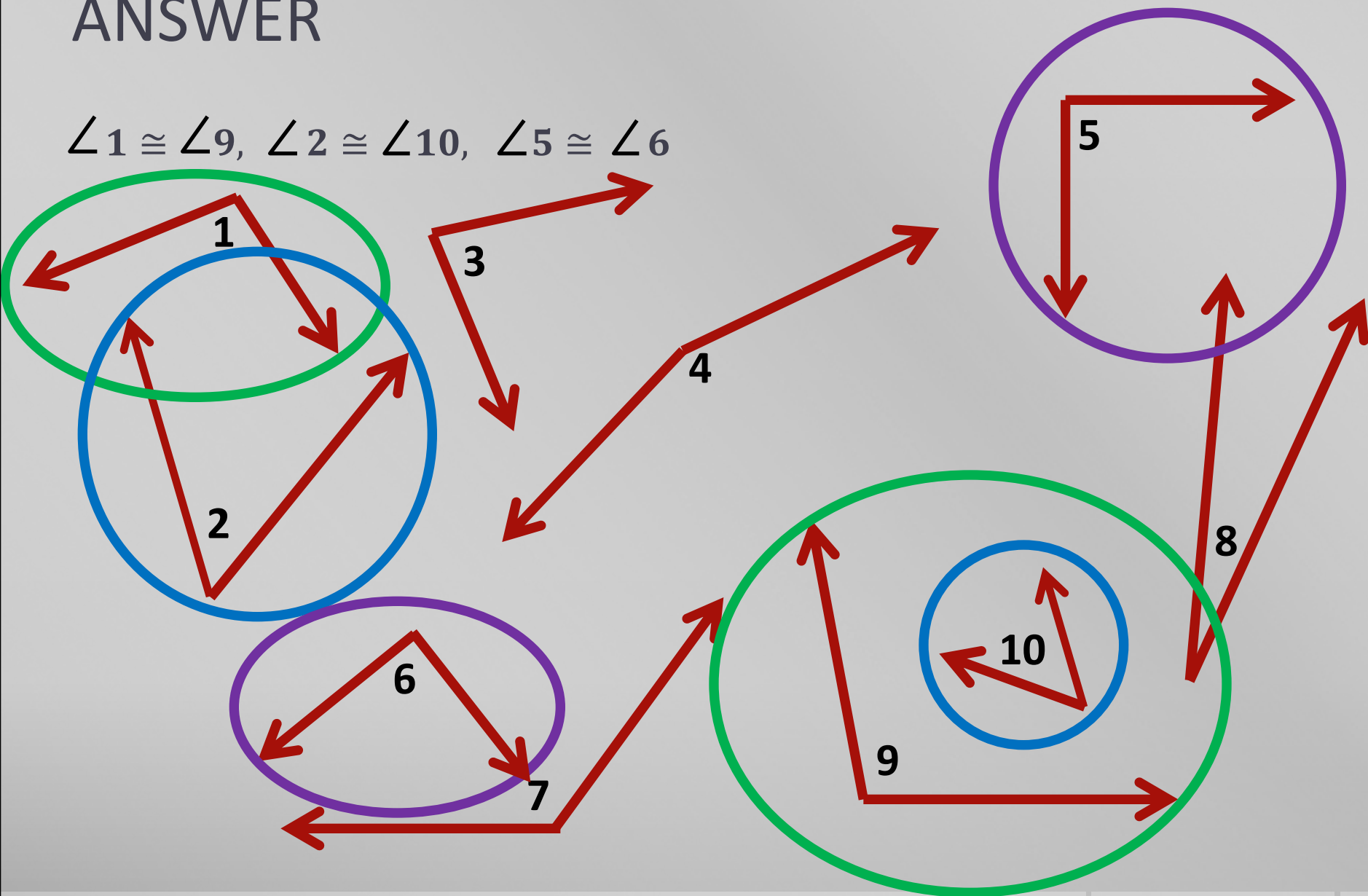


How many pairs of congruent angles are there in this picture? Name them all!



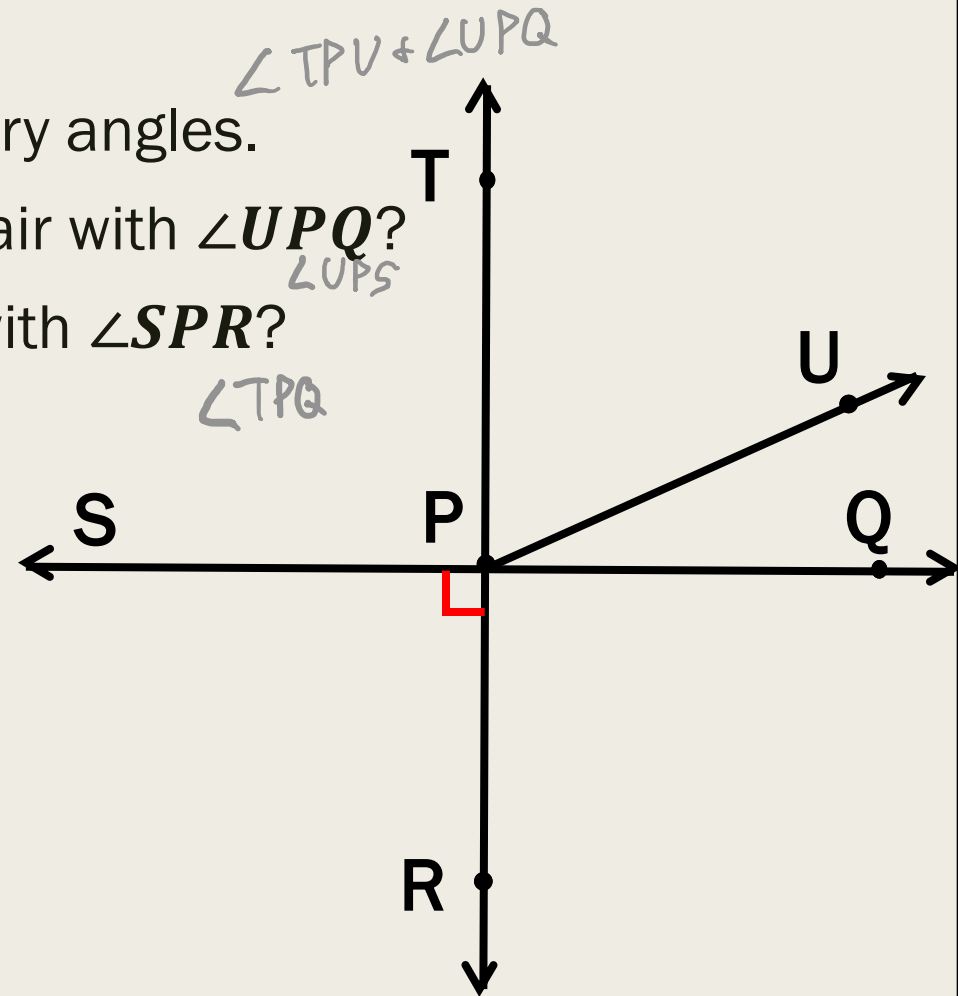
ANSWER

$$\angle 1 \cong \angle 9, \angle 2 \cong \angle 10, \angle 5 \cong \angle 6$$

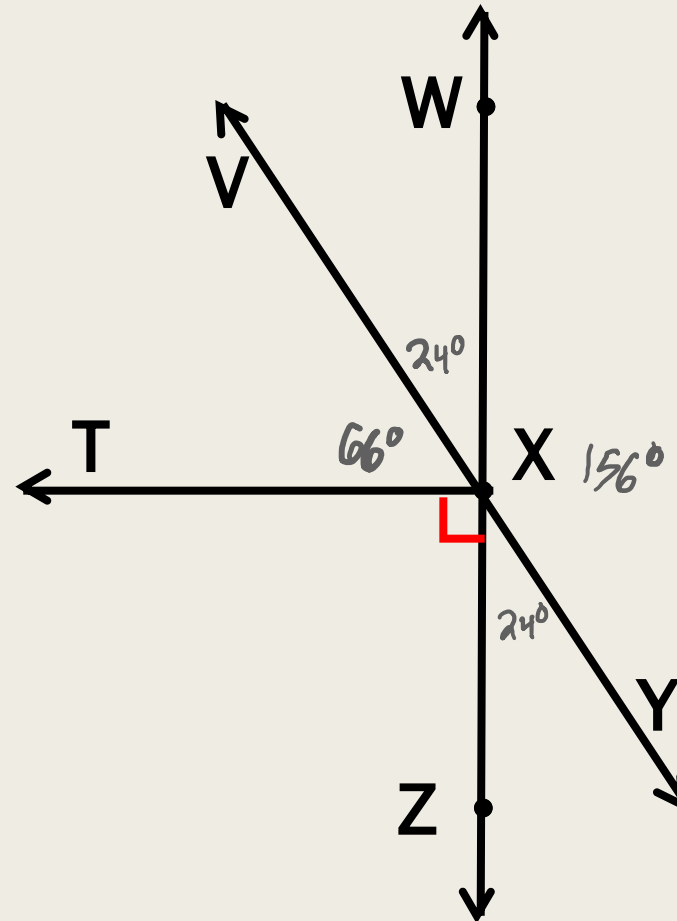


Name an example of each of the following:

- Name a pair of complementary angles.
- Which angle forms a linear pair with $\angle UPQ$?
- Which angle is vertical with $\angle SPR$?

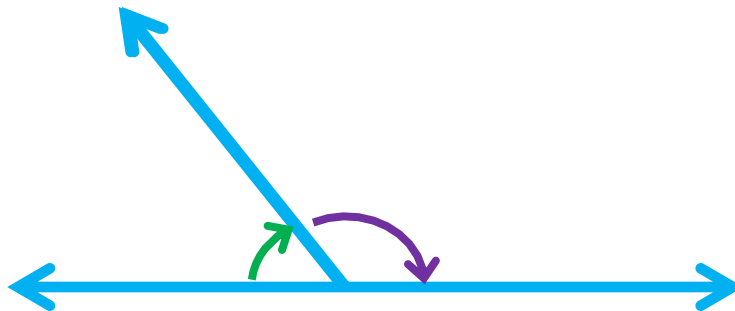
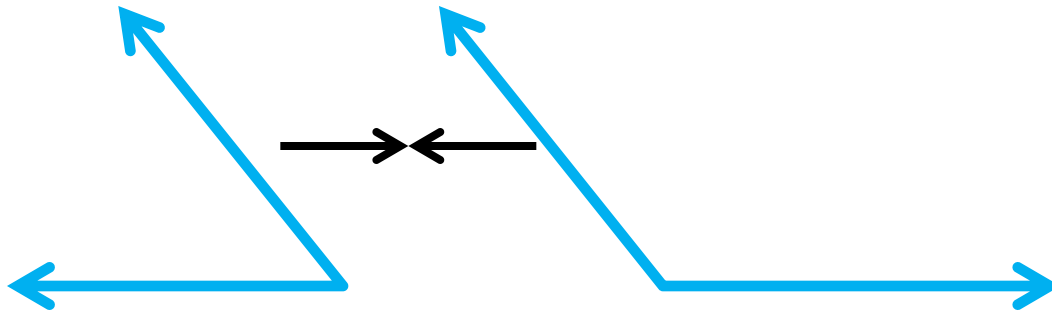


If $m\angle ZXY = 24^\circ$, find all other angle measures. Label each one.



Check Homework

Linear Pairs...

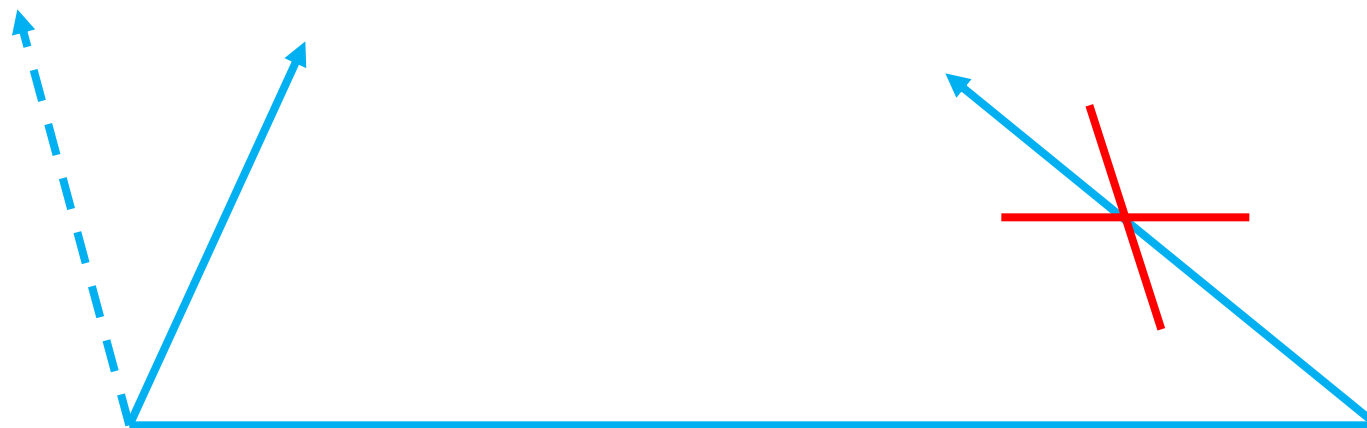


**These two angles put together
equal a “half turn,” which is 180° .**



Common Error: “A straight line is 180° ”

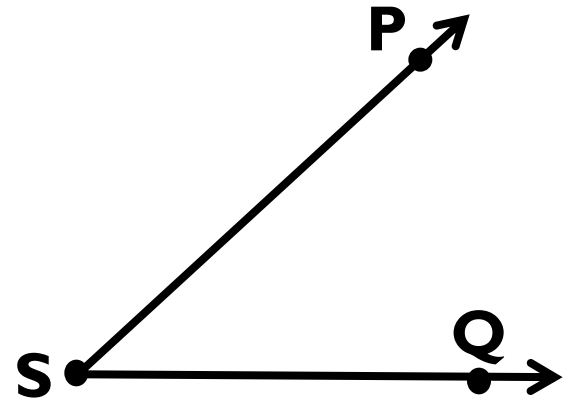
- ▶ These two angles DO NOT form a straight angle.
- ▶ If you put the vertices of the two angles together, you can see that it is not 180° .



Naming vs. Classifying vs. Measuring

- ▶ **Name:** Mr. Lischwe
- ▶ **Classify:** Teacher, male, etc.
- ▶ **Measure:** 5'3"

- ▶ **Name:** $\angle PSQ$
- ▶ **Classify:** Acute
- ▶ **Measure:** $m\angle PSQ = 40^\circ$



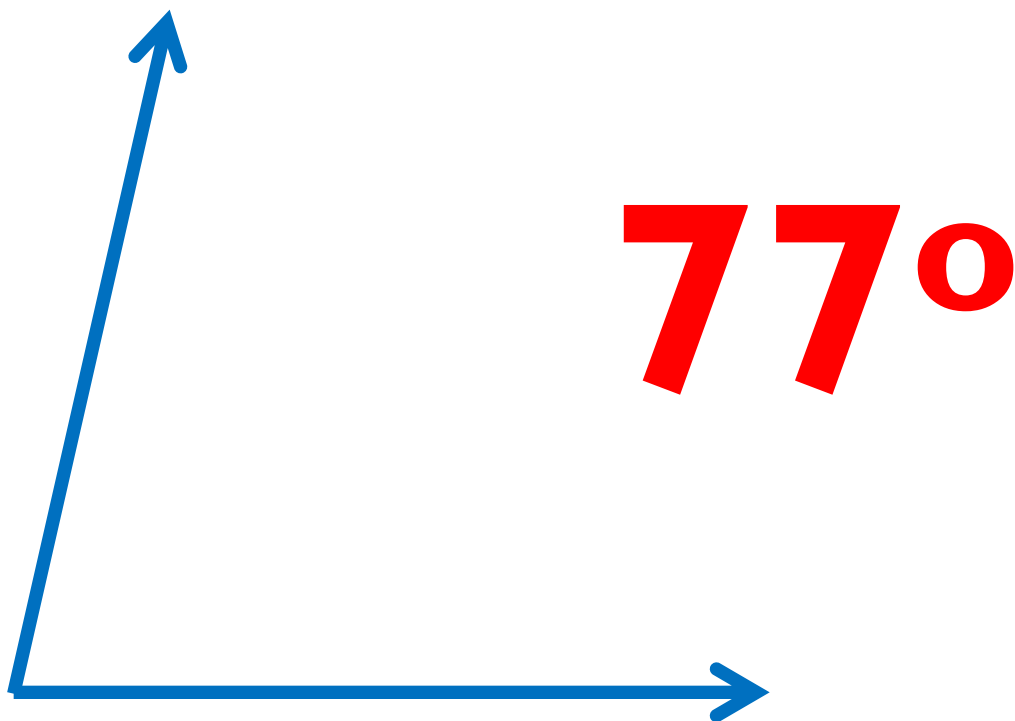
Competition: Estimating Angle Measures

- ▶ 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 doing very well.
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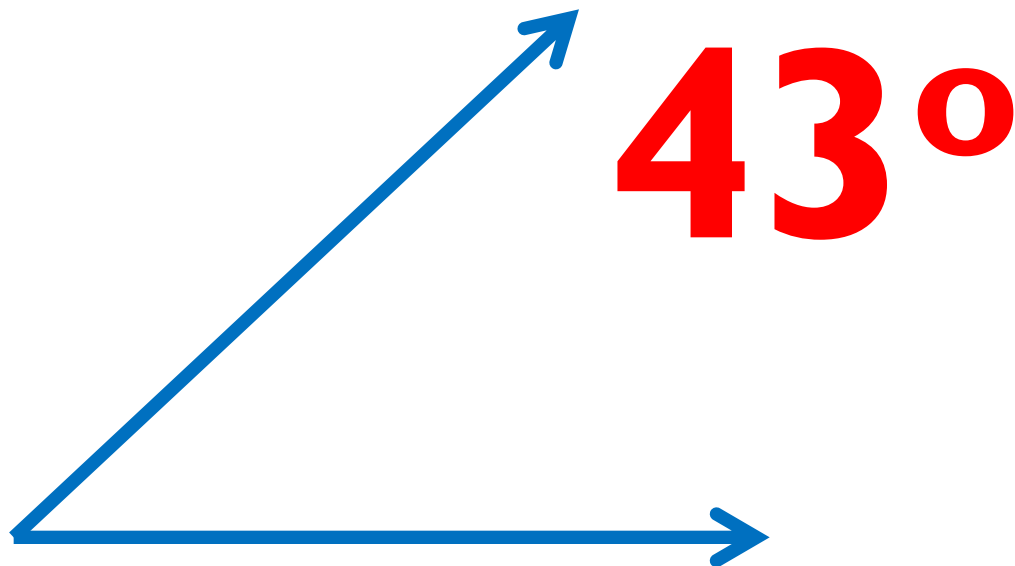
WHITEBOARDS!

- ▶ Estimate the angle measure:



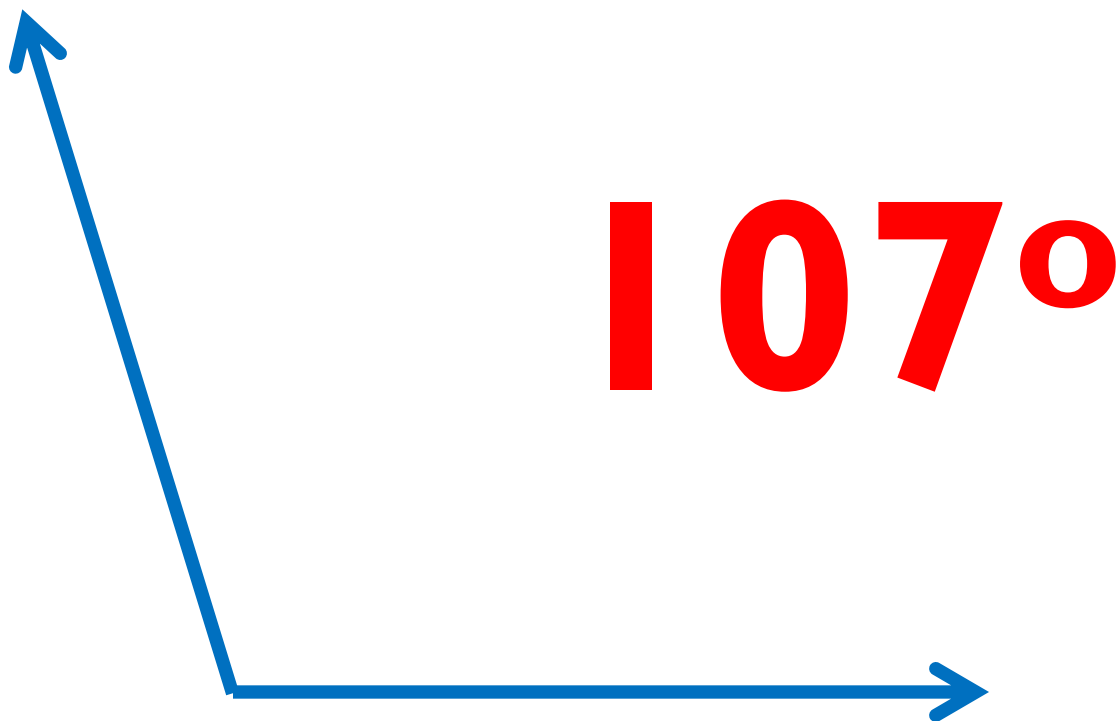
WHITEBOARDS!

- ▶ Estimate the angle measure:



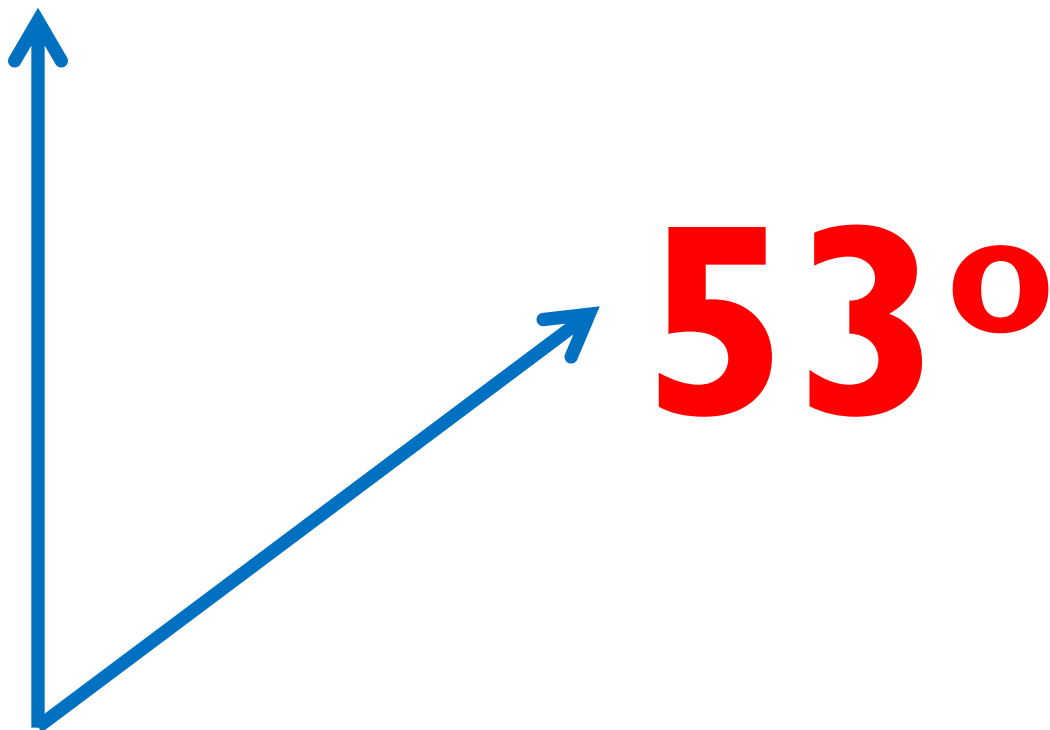
WHITEBOARDS!

- ▶ Estimate the angle measure:



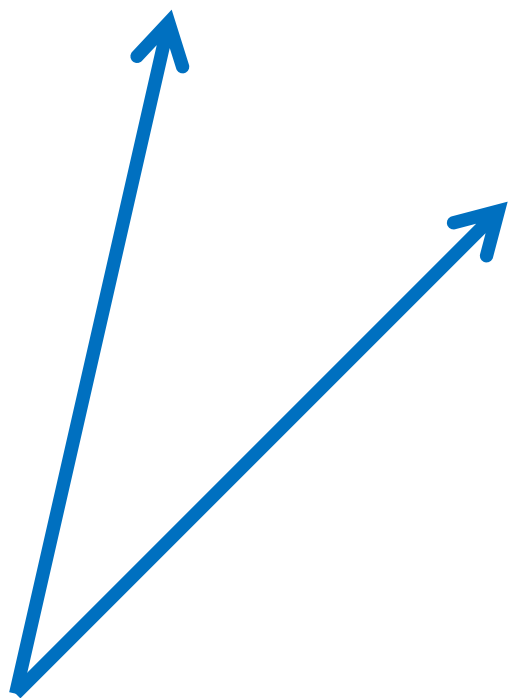
WHITEBOARDS!

- ▶ Estimate the angle measure:



WHITEBOARDS!

- ▶ Estimate the angle measure:

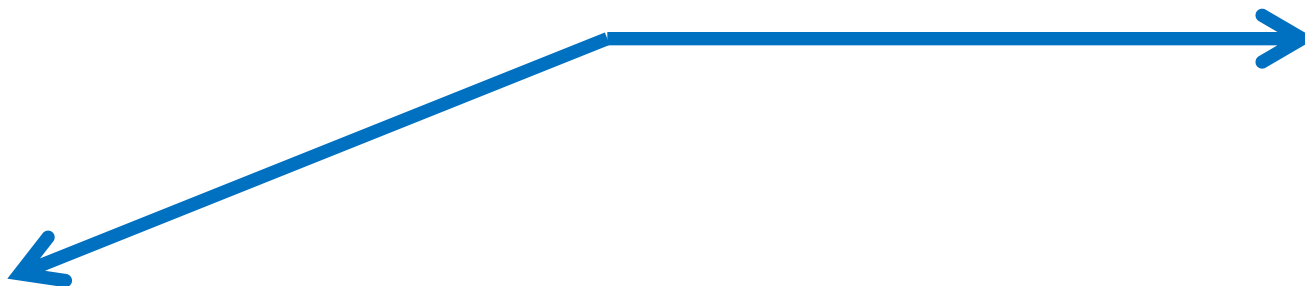


32°



WHITEBOARDS!

- ▶ Estimate the angle measure:

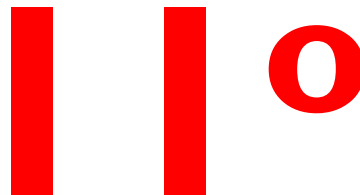
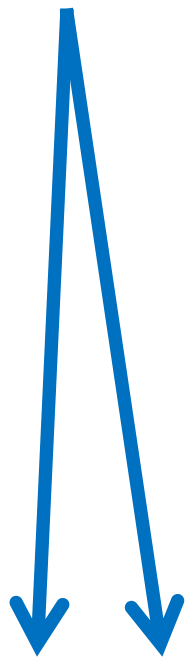


158°



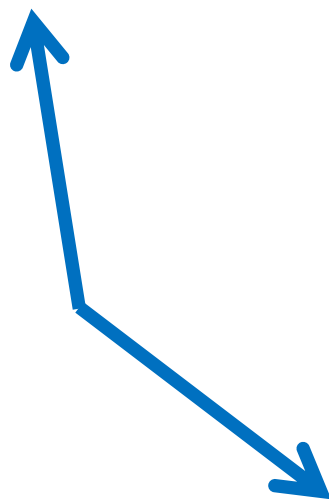
WHITEBOARDS!

- ▶ Estimate the angle measure:



WHITEBOARDS!

- ▶ Estimate the angle measure:

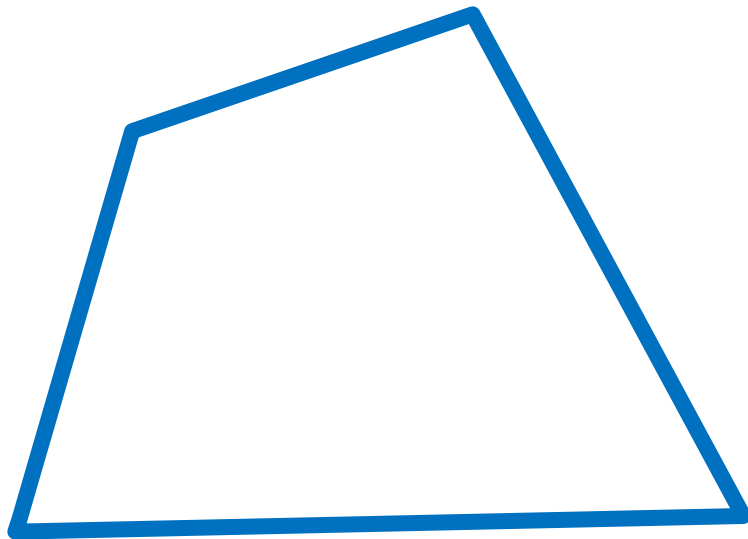


135°



WHITEBOARDS!

► **BOTTOM LEFT** angle:

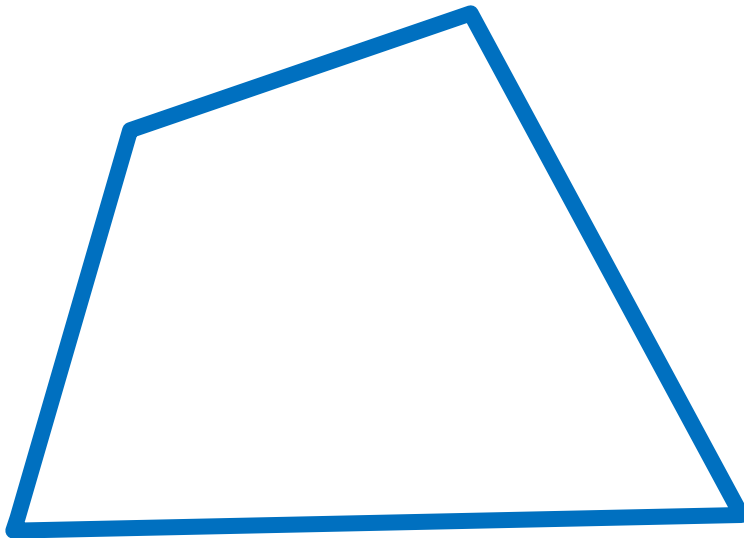


73°



WHITEBOARDS!

► **BOTTOM RIGHT** angle:

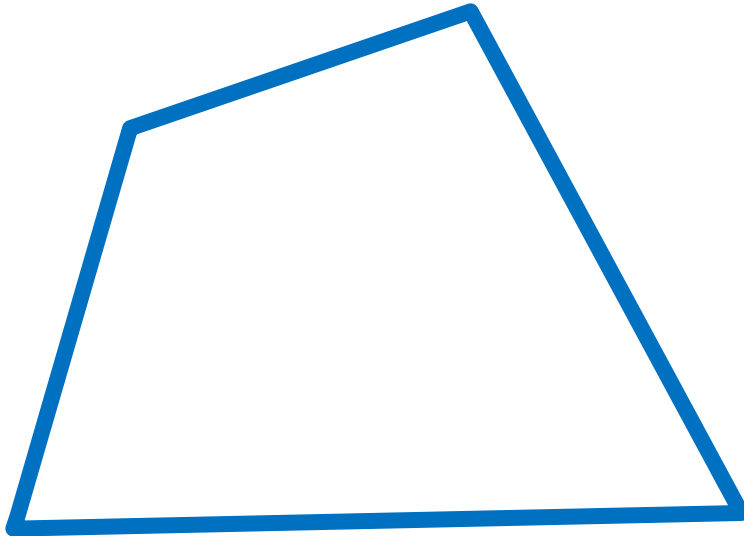


63°



WHITEBOARDS!

► **TOP LEFT angle:**

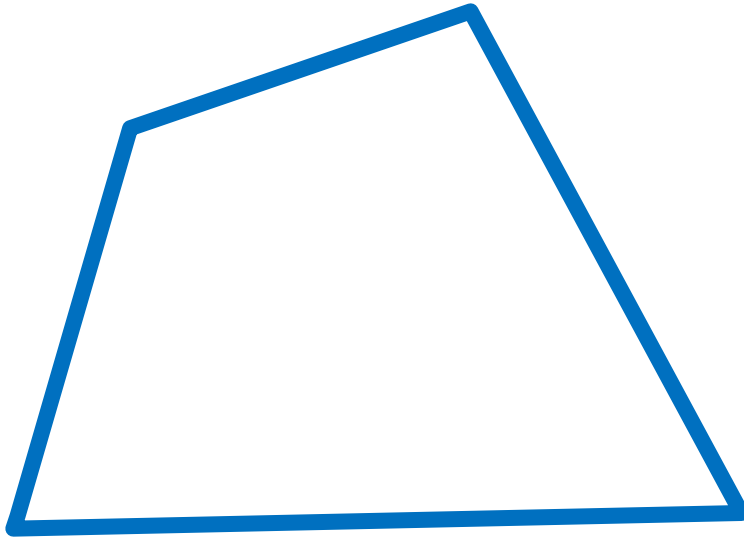


126°



WHITEBOARDS!

► **TOP RIGHT** angle:



98°



Homework: Angles Half-sheet

