MEASURING ANGLES

<u>Goal:</u> To find and compare the measures of angles.



Ex (a) What are two other names for 41?

Ex Ib) What are two other names for ∠KML?

Ex Ic) Would it be correct to name any of the angles $\angle M$? Explain.



<u>Note:</u> One way to measure the size of an angle is in <u>degrees.</u> A circle has 360°, so 1° is $\frac{1}{360}$ of a circle.

Note: 21 means 'angle 1" M21 means "measure of angle 1"



<u>Note:</u> The measure of \angle COD is the absolute value of the difference of the real numbers paired with $O \subset A$ and O D.







Ex2b) What are the measurements of ZLKH, ZHKN, and ZMIAT? Classify each angle as right. acute, obtuse, or straight.



Ex 3a) Synchronized swimmers form angles with

their bodies, as shown in the photo.



IF m L GHJ= 90, what is m L KLM?

Ex3b) If m2ABC=49, what is m2DEF?

ke note Postulate 1-8 Angle Addition Postulate If point *B* is in the interior of $\angle AOC$, then $m \angle AOB + m \angle BOC = m \angle AOC$.

Ex 4a) If m L RQT= 155, what are m L RQS and m L TQS?



4b) LDEF is a straight angle. What are mLDEC and mLCEF?



LESSON CHECK



-For a review on Angles and measuring them with a protractor, search for the following video on YouTube:

"THE BEST ANGLES MATH SONG (WITH BONUS DANCING CATS)"

HOMEWORK:

Техтвоок Р. 31-32 #8, 10, 13, 17, 18, 20,

22-23, 29-30, 33, 35

(12 PROBLEMS TOTAL)

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