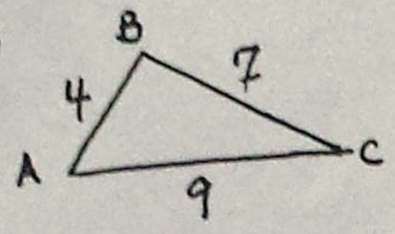
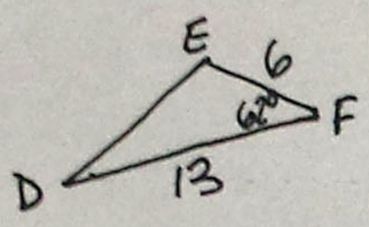
NAME _____

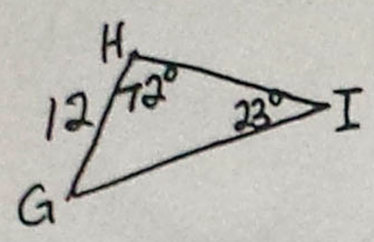
PER _____ GROUP# _____

CHAPTER 8 TEST REVIEW

FOR #1-3, DETERMINE WHETHER YOU WOULD USE LAW OF SINES OR LAW OF COSINES. GIVE A REASON FOR YOUR ANSWER (SAS, ASA, ETC)
DO NOT SOLVE!

① 

② 

③ 

④ FIND THE GEOMETRIC MEAN OF 12 AND 5. (LEAVE YOUR ANSWER IN SIMPLEST RADICAL FORM. DECIMAL ANSWERS WILL BE CONSIDERED <u>INCORRECT</u>)

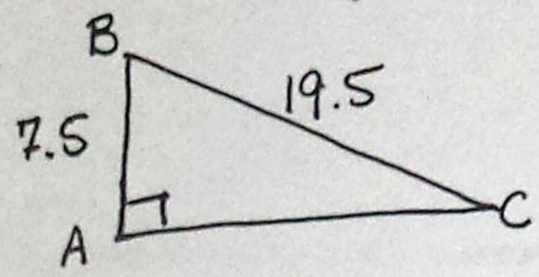
FOR #5-7, USE YOUR CALCULATOR TO FIND EACH TRIGONOMETRIC RATIO. (ROUND TO THE NEAREST <u>HUNDREDTH</u>)

⑤ SIN 50°

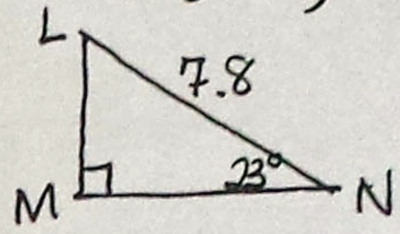
⑥ TAN 34°

⑦ $\cos^{-1}(0.36)$

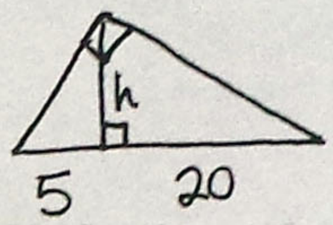
⑧ FIND $m\angle C$ (ROUND TO THE NEAREST DEGREE)



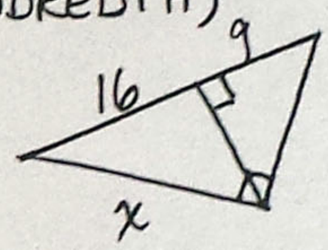
⑨ FIND $\overline{LM}$ (ROUND TO THE NEAREST HUNDREDTH)



⑩ FIND h (ROUND TO THE NEAREST HUNDREDTH)

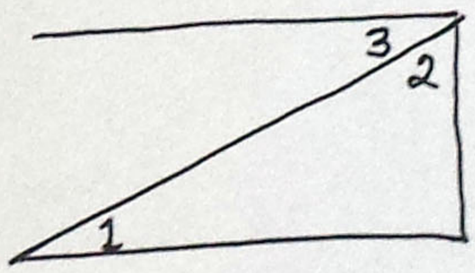


⑪ FIND x (ROUND TO THE NEAREST HUNDREDTH)



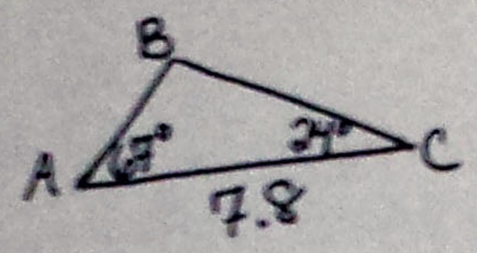
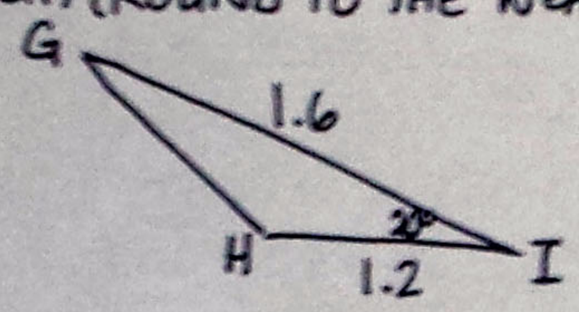
⑫ A PLANE IS 3200 FEET UP IN THE AIR. THE ANGLE OF ELEVATION FROM THE CONTROL TOWER TO THE PLANE IS 34°. WHAT IS THE HORIZONTAL DISTANCE BETWEEN THE PLANE AND THE CONTROL TOWER? (ROUND TO THE NEAREST FOOT)

⑬ WHICH ∠ IS THE ∠ OF ELEVATION? WHICH ∠ IS THE ∠ OF DEPRESSION?



OVER →

(14) FIND $\overline{BC}$ (ROUND TO THE NEAREST HUNDREDTH)



(15) FIND $\overline{GH}$ (ROUND TO THE NEAREST HUNDREDTH)