

# TRIG-STAR ANSWER KEY LOCAL CONTEST

PAGE 1

$$\sphericalangle CBA = \boxed{60^{\circ}21'21''}$$

$$\text{DISTANCE AC} = \boxed{326.57}$$

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$$\text{DISTANCE EH} = \boxed{134.11}$$

$$\text{DISTANCE FH} = \boxed{120.18}$$

$$\text{DISTANCE FG} = \boxed{440.02}$$

$$\text{DISTANCE GH} = \boxed{423.29}$$

$$\sphericalangle EGF = \boxed{15^{\circ}51'01''}$$

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PAGE 2

$$\text{DISTANCE AB} = \boxed{175.72}$$

$$\text{DISTANCE AD} = \boxed{273.55}$$

$$\text{DISTANCE AC} = \boxed{306.83}$$

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PAGE 3

$$\text{DISTANCE AB} = \boxed{282.44}$$

$$\text{DISTANCE BC} = \boxed{631.63}$$

$$\text{DISTANCE CD} = \boxed{873.81}$$

$$\text{ARC DISTANCE CE} = \boxed{705.96}$$