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DATE

SUBJECT OF EXPT.

$$\sin A = \frac{x}{bc} \sqrt{s(s-a)(s-b)(s-c)}$$

$$a = 4.99$$

$$b = 2.070$$

$$c = 1.900$$

$$2.2345(1.7355)(1.645)(.3345)$$

$$3.880$$

$$.638$$

$$= .508$$

$$.2136$$

$$.4651$$

$$4.469$$

$$2.2345$$

$$4.99$$

$$1.7355$$

$$2.2345$$

$$2.070$$

$$1.645$$

$$2.2345$$

$$1.9$$

$$.3345$$

$$\sin A = .2345$$

$$A = 13^{\circ} 35'$$

$$34^{\circ} 12'$$

$$47^{\circ} 47'$$

$$\sin 47^{\circ} 47' = \frac{x}{1.900} = .7406$$

$$x = 1.407$$

$$1.165$$

$$.242$$

$$\cos \alpha = .143$$

$$.1416$$

$$2.0791$$

$$351$$

$$2.0791$$

$$1.03955$$

$$6.2373$$

$$.07297641$$

$$.14594$$

$$\alpha = 11^{\circ} 45' \text{ ept com chord angle with Hoby}$$

$$1.910$$

$$1.79$$

$$.1120$$

$$1.146$$

$$.145$$

$$.150$$

$$88.60$$

$$A = 43^{\circ} 39' \text{ ept com angle with Rec.}$$

$$46.21$$

EXPERIMENTER

WITNESS

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