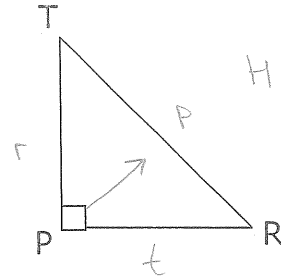


1-3 Give each answer as a fraction in terms of p , r , and t . Refer to $\triangle PTR$.

$$\frac{r}{p} \quad 1) \sin R = \frac{?}{?}$$

$$\frac{t}{r} \quad 2) \tan T = \frac{?}{?}$$

$$\frac{r}{p} \quad 3) \cos T = \frac{?}{?}$$

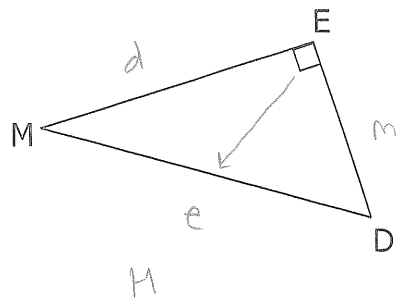


4-6 Give each answer as a fraction in terms of m , e , and d . Refer to $\triangle MED$

$$\frac{e}{d} \quad 4) \cos D = \frac{?}{?}$$

$$\frac{e}{d} \quad 5) \tan M = \frac{?}{?}$$

$$\frac{d}{e} \quad 6) \sin D = \frac{?}{?}$$



7-9 Use a calculator to find the value of each. (Round to the thousandths.)

$$1.072 \quad 7) \tan 47^\circ = ?$$

$$.799 \quad 8) \sin 53^\circ = ?$$

$$.982 \quad 9) \cos 11^\circ = ?$$

10-12 Use a calc. to find $m \angle A$. (Round to thousandths.)

$$23.653^\circ \quad 10) \tan A = .438$$

$$67.976^\circ \quad 11) \cos A = \frac{3}{8}$$

$$36.870^\circ \quad 12) \sin A = \frac{3}{5}$$

13-18 Use a calc. to find the value of x . (Round to the thousandths.)

$$12.274 \quad 13) \cos 64^\circ = \frac{x}{28}$$

$$55.150^\circ \quad 16) \cos X = \frac{8}{14}$$

$$29.503 \quad 14) \sin 24^\circ = \frac{12}{x}$$

$$59.275 \quad 17) \tan 51^\circ = \frac{x}{48}$$

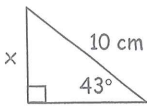
$$29.745^\circ \quad 15) \tan X = \frac{4}{7}$$

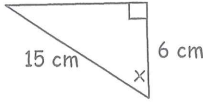
$$76.712 \quad 18) \sin 35^\circ = \frac{44}{x}$$

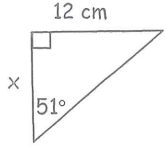
Name Key

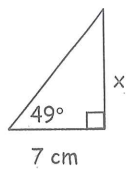
Trig Day 1 Homework

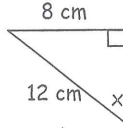
1-10 Find the value of x. SHOW WORK. Round to thousandths.

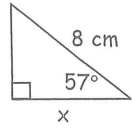
6.820 1)  $\sin 43 = \frac{x}{10}$

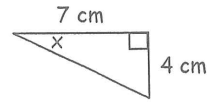
66.422 2)  $\cos x = \frac{6}{15}$

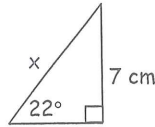
9.717 3)  $\tan 51 = \frac{12}{x}$

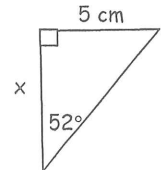
8.053 4)  $\tan 49 = \frac{x}{7}$

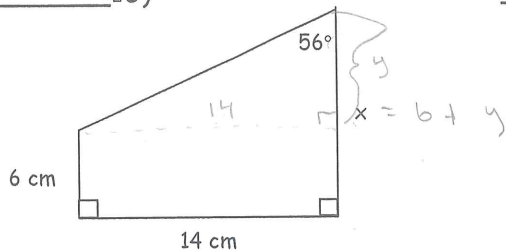
41.810 5)  $\sin x = \frac{8}{12}$

4.357 6)  $\cos 57 = \frac{x}{8}$

29.745 7)  $\tan x = \frac{4}{7}$

18.686 8)  $\sin 22 = \frac{x}{7}$

3.906 9)  $\tan 52 = \frac{5}{x}$

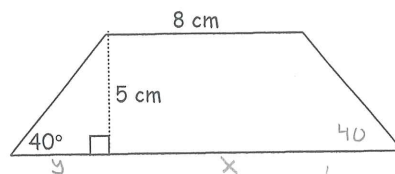
15.443 10)  $x = 6 + y$

$$\tan 56 = \frac{14}{y}$$

$$y = 9.443$$

$$x = 6 + y = 15.443$$

69.794 11) Find the area of the iso. trapezoid.



$$A = \frac{1}{2} (h) (b_1 + b_2)$$

$$= \frac{1}{2} (5) (8 + x)$$

$$= 69.794$$

$$x = 8 + 2(y) = 19.918$$

$$\tan 40 = \frac{5}{y}$$

$$y = 5.959$$