2. SAS ? NEED TO PROVE
3. ASA $\cong \cong \angle S$ before use.

No prs of $\cong \angle S \rightarrow H L$, need $r+\angle s($ not $\cong \angle S)$ to state rt $\triangle$.

$$
\Delta \Rightarrow \Delta x \quad \text { or } \quad \ddot{y} \Rightarrow \Delta \Delta
$$



1. $\angle A^{N}=\angle T$
2. $C A \cong \overline{C T}$ by $B D \Rightarrow X X$

What nueds to be fist?

$$
\left\langle\mathrm{NOONO}^{\prime} \Longrightarrow\right.
$$

$\square$
8 Reading marked diagrams


No.
think
5 Algebra

$$
\rightarrow " x \text { " }
$$

The ratio of the base of an ios $\Delta$ to its ugh is $3: 2$
the perincervie 56 .
afraid the lengthafeach side.

$$
\begin{aligned}
& 16=2 \times x-2 x=16 \begin{array}{rr}
\text { sum sides } & =\text { penmeter } \\
7 x=56 \\
x & =8
\end{array} \\
& 3 x=24
\end{aligned} \quad \begin{array}{ll}
\triangle C=50 \quad Q \angle D=x-32 \\
\triangle C A T \cong \triangle D O G & \text { Find } x .
\end{array}
$$

2pages (front + back $\rightarrow 4$ sides) 1 pg call I pg no call

order matters.

$$
\begin{aligned}
& \triangle J I M \cong \triangle D A N \\
& \triangle I J M \cong \triangle A D N
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{ccc}
\text { Classify by } \\
& \text { sides } \\
& \text { EQUILATERAL } \\
\text { SCALENE } \\
& \text { ISOSCELES } & \text { ACUTE } \\
& & \text { OBTUSE } \\
& & \\
& & \\
\hline
\end{array} \\
& A=\pi r^{2} \\
& C=\pi \underline{d} \text { or } C=\underline{2 r} \pi \\
& d=\frac{1}{2} \operatorname{find}_{\text {exact }}^{\text {ext }} A=\frac{1}{16} \frac{\pi}{\tau} \text { or } \frac{\pi^{k}}{16}, C=\frac{\pi}{2} \text { or } \frac{1}{2} \pi \\
& r=\frac{1}{4} \\
& d=2 r
\end{aligned}
$$

$$
\text { If } \angle A=\angle C
$$

is TS a median

Is equation setup



1. $\overline{R K} \perp \overline{H R} \& \overline{J O} \perp \overline{P M}$ 1. GIVEN
2. $\angle H R K$ \& $\angle$ MOJ retL 2. $1 \Rightarrow$ RTLS

A 3. $\angle H R K ~ \cong \angle M O J$
4. $\overline{P H} \cong \overline{P M}$
$5 \overline{P R} \cong \overline{P O}$
3. $R T \angle S \Rightarrow$ ㅍ $\angle S$
4. Given
$S 6 . \overline{R H} \cong \overline{O M}$
5. Given $H$,

$A 7 . \angle H \cong \angle M$
6. SUBTRACT ( 4 \& 5)
8. $\triangle$ RHK $\triangle \triangle O M S$ 8.ASA $(367)$
9. RK $\cong \sqrt{0}$ 10. CPCTC (8)


1. $\overline{J F} \perp \overline{J D} \Phi \overline{C H} \perp \overline{H E}$ I. GIVENI
2. $\angle C H E$ \& $\angle F J D$ rtLs $2 . \perp \Rightarrow \pi+\angle s$ (1)
3. $\overline{C D} \cong \overline{E F}$
4. Given
*4. $D E=\frac{D}{D E}$
5. Rel
6. CE $\cong \frac{D F}{D F}$
7. Add ( 384 )
8. $\overline{C H} \cong \overline{F J}$
9. Giver
10. $\triangle C H E \cong \triangle F J D$
11. $H L(2,5,6)$
12. $\overline{J D} \cong \overline{H E}$
13. $\operatorname{CPCTC}(7)$
