

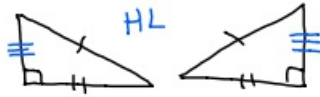
1-6-20 6<sup>th</sup> Geo

Prove  $\cong$

Doesn't Prove  $\cong$

ASA  
SSS  
SAS  
AAS  
HL

ASS  
AAA



Chapter 7

①  $\frac{n+1}{5} = \frac{n+2}{3}$

$$5(n+2) = 3(n+1)$$

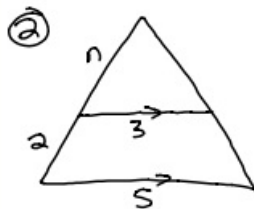
$$5n+10 = 3n+3$$

$$\frac{-3n \quad -3n}{2n+10 = 3}$$

$$\frac{-10 \quad -10}{2n = -7}$$

$$\frac{2n}{2} = \frac{-7}{2}$$

$$n = -3\frac{1}{2}$$



$$\frac{n}{n+2} = \frac{3}{5}$$

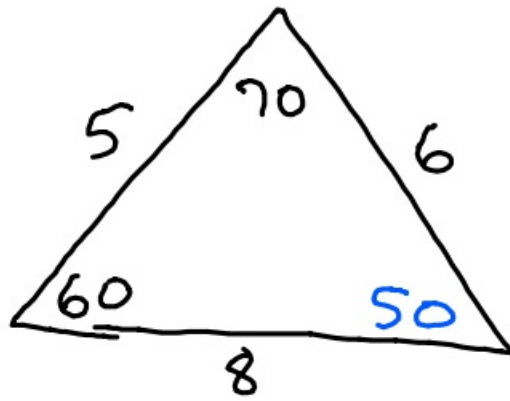
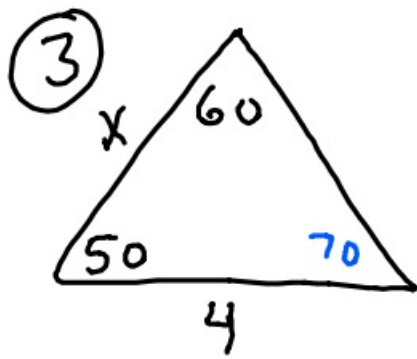
$$5n = 3(n+2)$$

$$5n = 3n+6$$

$$\frac{-3n \quad -3n}{2n = 6}$$

$$2n = 6$$

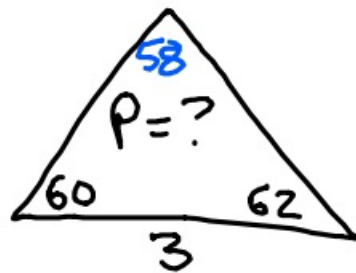
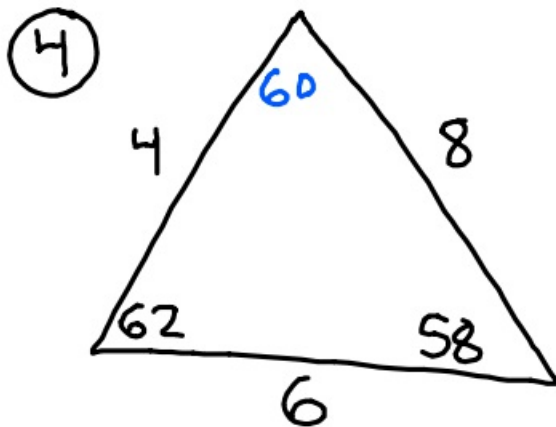
$$n = 3$$



$$\frac{x}{8} = \frac{4}{6}$$

$$\frac{6x}{6} = \frac{32}{6}$$

$$x = 5\frac{1}{3}$$



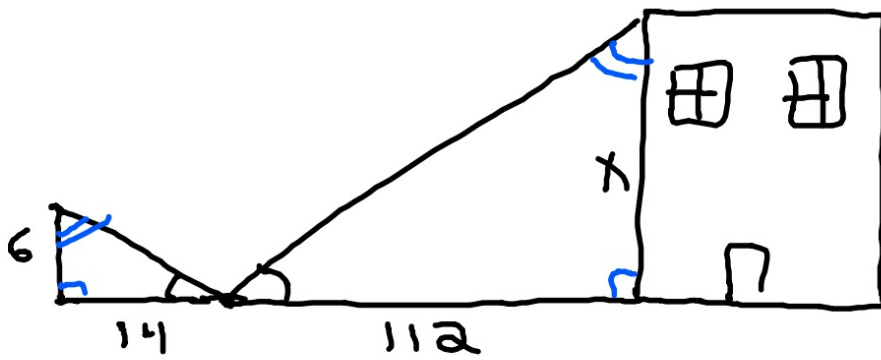
$$\frac{3}{4} = \frac{P}{18}$$

$$\frac{4P}{4} = \frac{54}{4}$$

$$P = 13\frac{1}{2}$$

$$\frac{40}{10} = \frac{14}{3\frac{1}{2}}$$

(5)



$$\frac{6}{x} = \frac{14}{112}$$

$$\frac{14x}{14} = \frac{672}{14}$$

$$x = 48$$

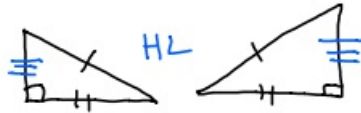
1-6-20 7<sup>th</sup> Geo

Proves  $\cong$

SAS  
AAS (SAA)  
ASA  
SSS  
HL

Doesn't prove  $\cong$

ASS  
AAA



Chapter 7

①  ~~$\frac{n+2}{4} = \frac{n+1}{6}$~~

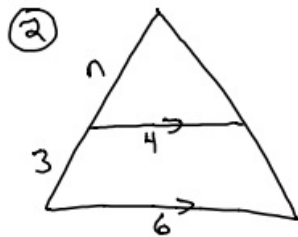
$$6(n+2) = 4(n+1)$$

$$\begin{array}{r} 6n+12 = 4n+4 \\ -4n \quad -4n \\ \hline \end{array}$$

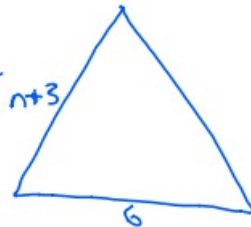
$$\begin{array}{r} 2n+12 = 4 \\ -12 \quad -12 \\ \hline \end{array}$$

$$\begin{array}{r} 2n = -8 \\ \frac{2}{2} \quad \frac{2}{2} \\ \hline \end{array}$$

$$n = -4$$



~



$$\frac{n}{n+3} = \frac{4}{6}$$

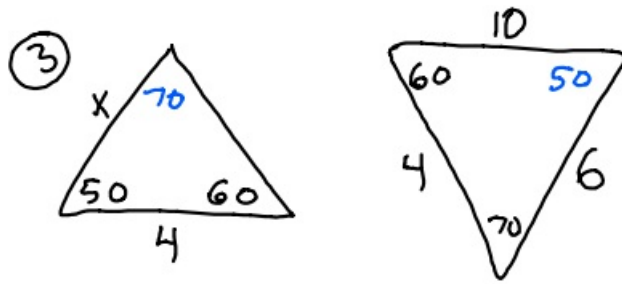
$$6n = 4(n+3)$$

$$6n = 4n + 12$$

$$\begin{array}{r} 6n = 4n + 12 \\ -4n \quad -4n \\ \hline \end{array}$$

$$2n = 12$$

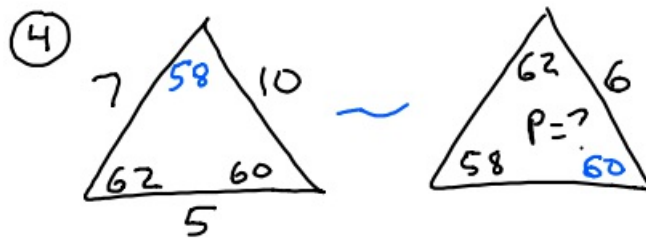
$$n = 6$$



$$\frac{x}{6} = \frac{4}{10}$$

$$10x = 24$$

$$x = 2.4$$



$$\frac{6}{5} = \frac{P}{22}$$

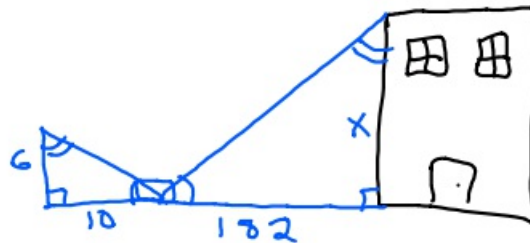
$$\frac{5P}{5} = \frac{132}{5}$$

$$P = 26.4$$

$$\frac{100}{3} = \frac{32}{5}$$

$$\frac{20}{6^{2/5}}$$

⑤



$$\frac{6}{x} = \frac{10}{182}$$

$$\frac{10x}{10} = \frac{1092}{10}$$

$$x = 109.2$$