Note Title

1/20/2016

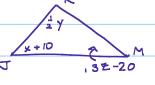
$$x = \frac{96}{5} \approx 19.2$$

So 2x ≈ 38.4 ft

13. 
$$\frac{X}{Y} = \frac{11}{34}$$

Then  $\frac{a}{b} = \frac{6}{15/2} \rightarrow \frac{6 \div 15}{15} = \frac{6 \cdot 2}{15} \rightarrow \frac{12}{15}$  reduce  $\frac{4}{5}$ 

11. 205



, 180 - (60+40) = 80

2J=2P

10. a 3/2

9. WY= 5.6 & VT= 7.5

6. mean prop

b 8 c 32 d <sup>3</sup>/2

mean prop a.  $4 & 25 \Rightarrow \frac{4}{x} = \frac{2}{25} \Rightarrow x^2 = 100$   $x = \pm 10$ 

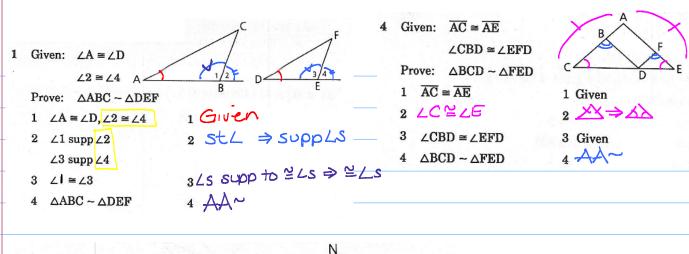
b.285→2=×=±10

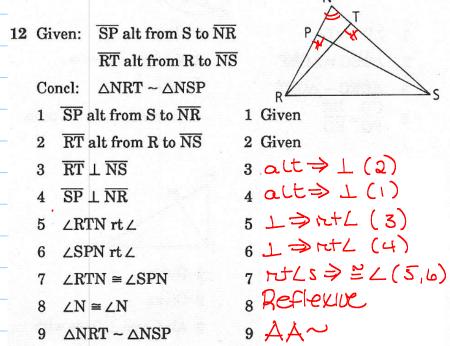
4. DARNADEF > EF= S

Arith Mean 4&25 : 29/2

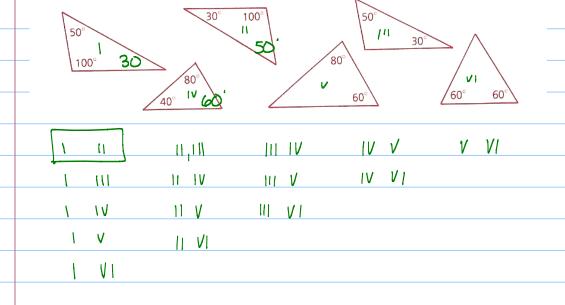
Geo mean  $\frac{1}{x} = \frac{x}{25} = \frac{100}{x} = \frac{10}{10}$ 

Congruent & Similar & Sides propor sides proportional ~ = m Ls 8,3 SSS 242 ASA a+b+x = 180 a+b+c =180 HL AAS a+b+c=a+b+x -a-bc=x NoChoice 10 3 = 4 = 5 New: *SSS*~ AA~ 555~ 545~  $rct \angle s = \frac{2}{2} \angle s$   $\frac{3}{6} = \frac{4}{8}$ 





22 If two of the six triangles below are selected at random, what is the probability that the two triangles are similar?



	8.3: Proving Triangles Similar 2, 3, 6, 8, 10, 16, 19, 20	
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