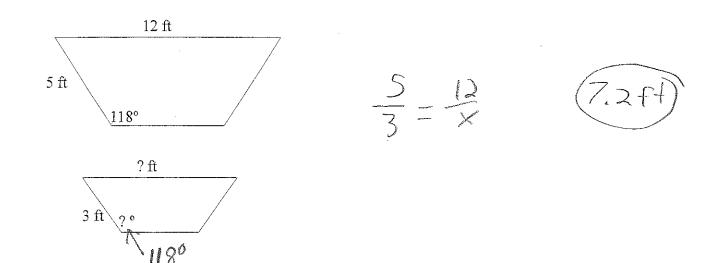
1. Explain how angles in similar figures are related.

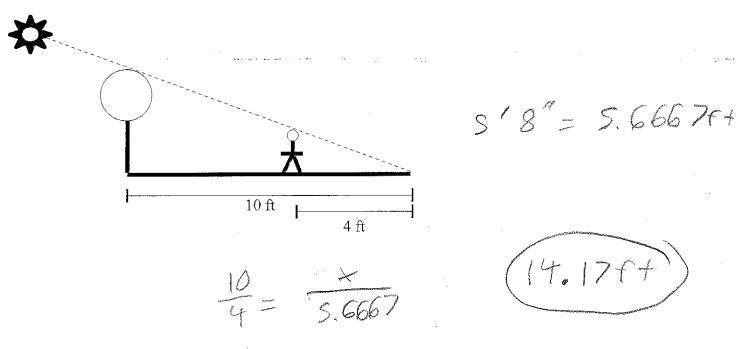
2. Find the missing side length, the figures are similar

3. Find the missing side length and angle, the figures are similar.



## Math 10 Apprenticeship and Workplace Calculating missing values for similar figures

4. Joline is 5' 8" tall, on a bright summer day her shadow is 4' long. She is standing near a tree which casts a 10' shadow. How tall is the tree?



5. A school football field which is 90m by 39m is made 20 meters longer, how many meters wider must it be made to keep the shape similar?

