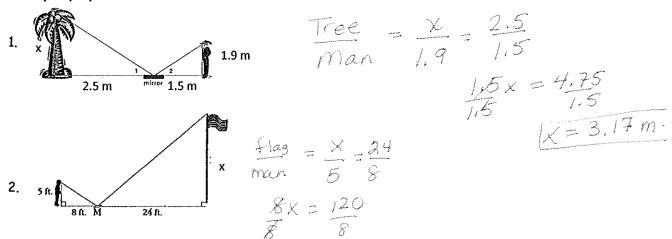
Name Answers

## Indirect Measurement Worksheet

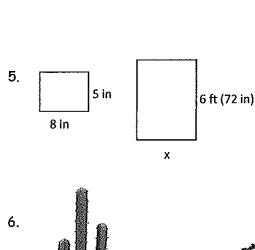
Set up a proportion and solve for x. Show all work!!!!

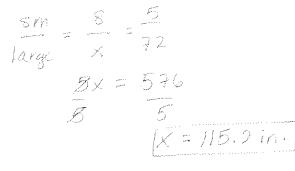


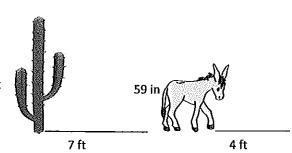
X= 15 Ft.

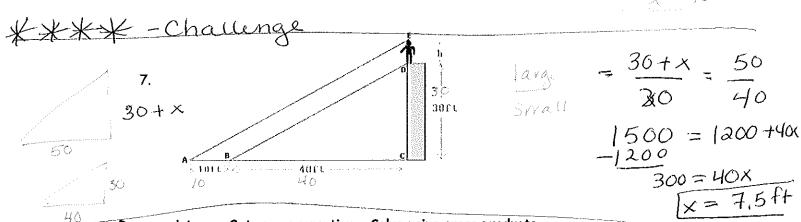
Set up a proportion and solve for x. Show all work!!!

3. Tree 
$$\frac{x}{30}$$
  $\frac{30}{4}$   $\frac{150}{4}$   $\frac{4}{1}$   $\frac{150}{1}$   $\frac{4}{1}$   $\frac{37.5}{1}$   $\frac{5}{1}$   $\frac{1}{1}$   $\frac{3}{1}$   $\frac{3}$   $\frac{3}{1}$   $\frac{3}{1}$   $\frac{3}{1}$   $\frac{3}{1}$   $\frac{3}{1}$   $\frac{3}{1}$ 

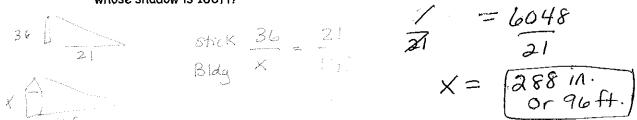




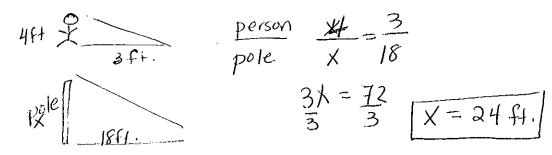




8. On a sunny day, if a 36-inch yardstick casts a 21-inch shadow, how tall is a building whose shadow is 168ft?



9. A 4-ft person standing near a telephone pole has a shadow 3-ft long. At the same time, the telephone pole has a shadow of 18-ft long. What is the height of the telephone pole?



Draw a picture. Set up a proportion. Solve using cross products.