Derek White

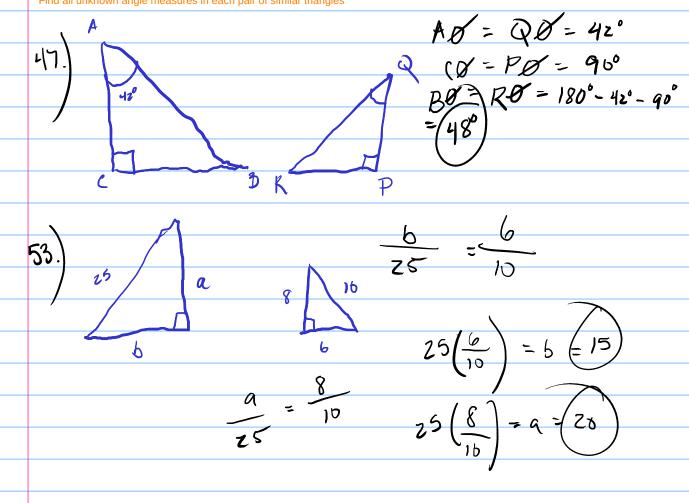
1.2

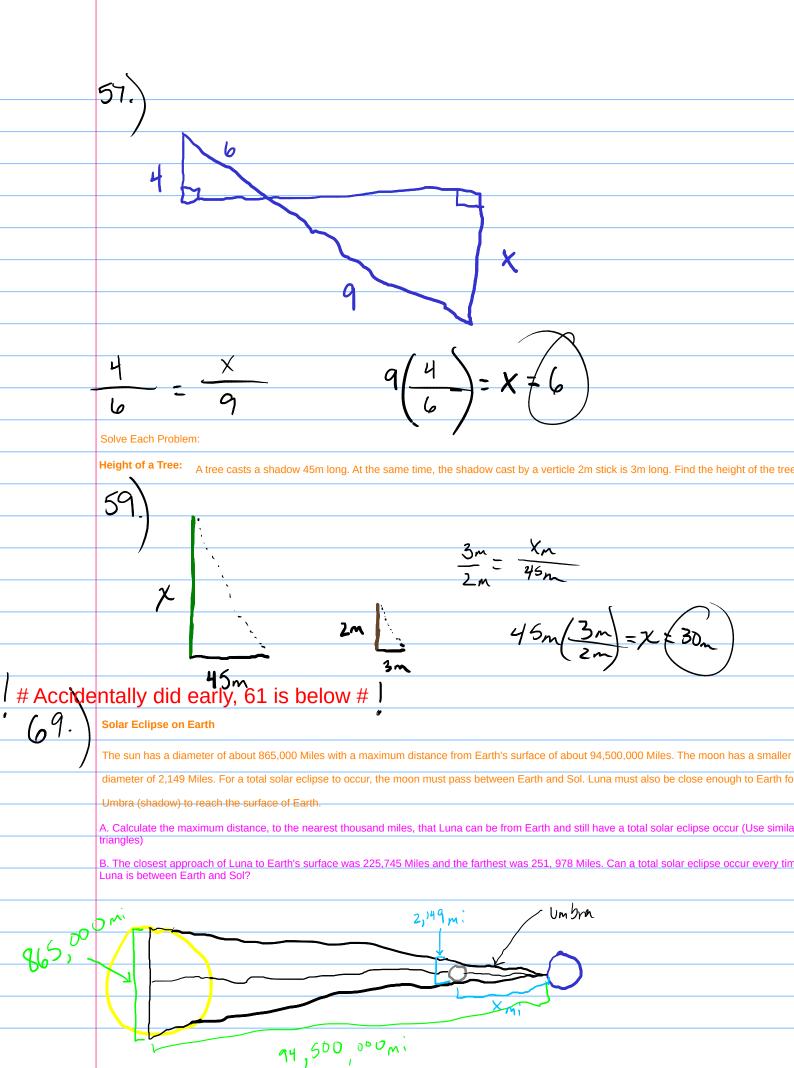
The Measures of a Triangle are given. Find the measure of the third angle.

23.)
$$37, 52^{\circ}$$
 $180^{\circ} - 37^{\circ} - 52^{\circ} = 91^{\circ}$

25.) $147^{\circ} 12^{\prime}, 38^{\circ} 19^{\prime}$
 $180^{\circ} - 147^{\circ} - 38^{\circ} = 3^{\circ}$
 $2^{\circ} 180^{\circ} - 12^{\prime} - 19^{\prime} = 29^{\prime}$
 $= 2^{\circ} 2^{\circ} 29^{\prime}$

Find all unknown angle measures in each pair of similar triangles





2,149 mi (65,600 mi) = X = 234,775 1445 m.

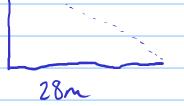
Round up to remost.

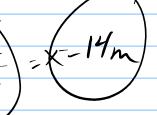
miles

MD, the Maximum distance a total Solar eclipse can occur is 234,775mi. Thua, anything over 234,775mi will result in a solar eclipse however it will not be a total Solar eclipse since Juna its not completely blocking out Solar.

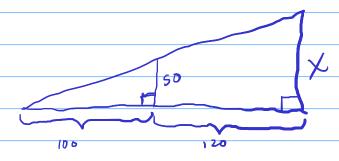
Height of a Lighthouse

The Biloxi lighthouse in the figure casts a shadow 28m long at 7am. At the same time, the shadow of the lighthouse keeper, who is 1.75m tall is 3.5m long. How tall is the lighthouse?









$$\frac{50}{100} = \frac{\times}{220}$$

$$220\left(\frac{50}{100}\right) = \times = 110$$

Lengths of Sides of a Triangle

On a photograph of a triangular piece of a land, the lengths of the three sides are 4cm, 5cm, and 7cm respectively. The shortest side of the actual p of land is 400m long. Find the lengths of the other two sides.

