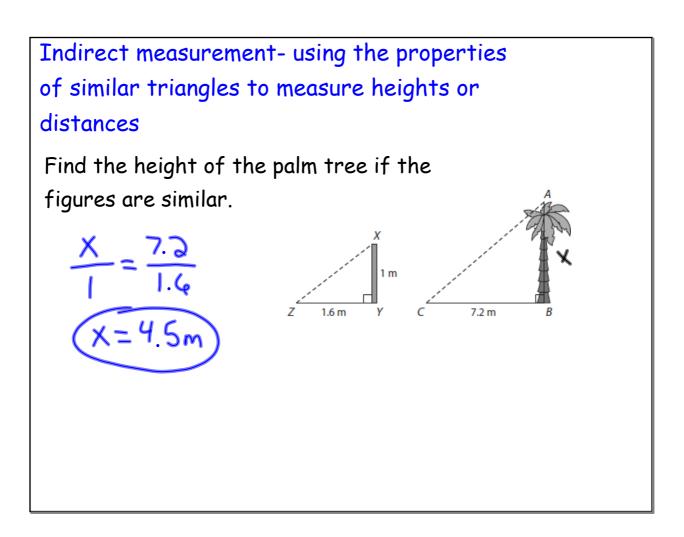
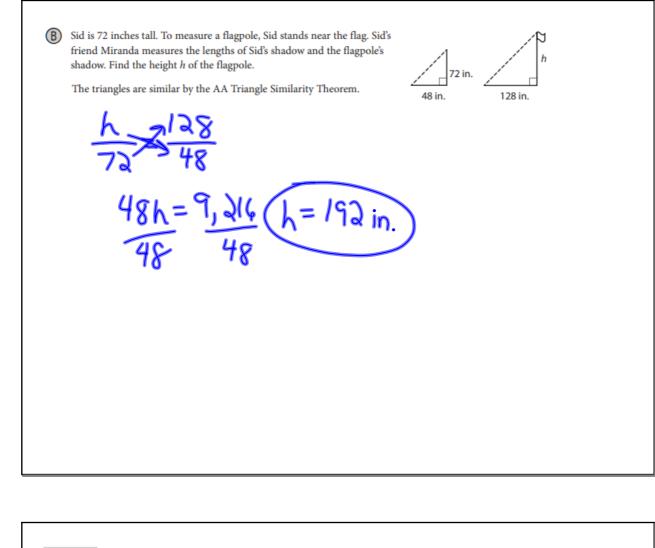
12.3 Proportional Relationships

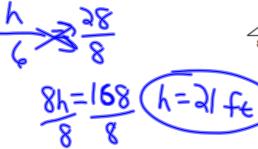
How can you use similar triangles to solve problems?

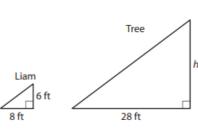


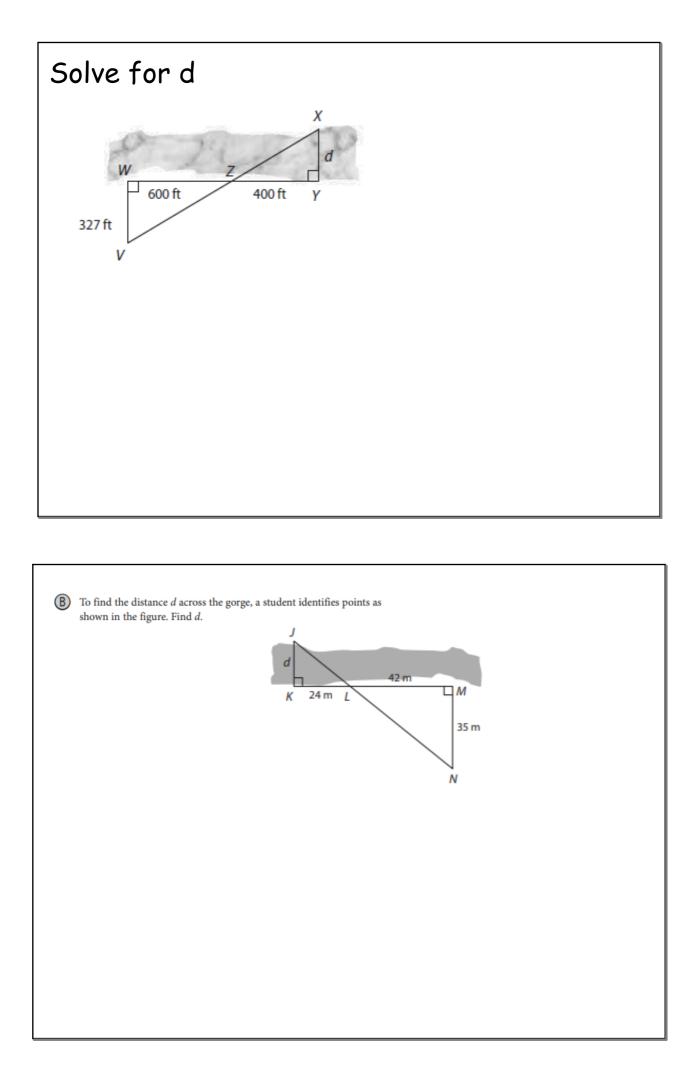


Your Turn

3. Liam is 6 feet tall. To find the height of a tree, he measures his shadow and the tree's shadow. The measurements of the two shadows are shown. Find the height *h* of the tree.







Your Turn 5. To find the distance *d* across a stream, Levi located points as shown in the figure. Use the given information to find *d*. $\int_{D} \frac{12 \text{ m } C}{12 \text{ m } C} \int_{D} \frac{6 \text{ m}}{12 \text{ m}}$

