Topic: Similarity
ORQ Similar Triangles

After section 8.5 (PH)
After section 8.6 (ML)

Tree Shadows

A tree in John's yard casts a 2.2 ft. shadow at the same time John, who is 5 ft. tall casts a 7 ft. shadow.

a. Draw a diagram to represent the situation

b. How tall is the tree to the nearest tenth of a foot? Show your work.

c. John's tree is 15 ft. from his screened-in porch. If the tree falls toward the porch, will the tree hit the porch? Explain your reasoning.