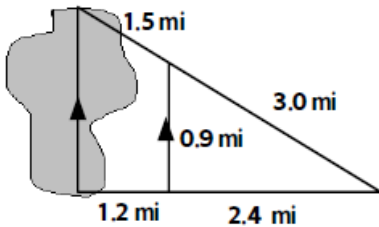


7. A Tower casts a shadow of 64 feet. A 6-foot pole near the tower casts a shadow 8 feet long. How tall is the tower? What is the scale factor?

Tower height \_\_\_\_\_

Scale Factor \_\_\_\_\_

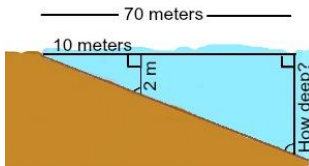
8. Find the length of the lake. Find the scale factor.



Length of lake \_\_\_\_\_

Scale factor \_\_\_\_\_

9. Find the depth of the lake 70 meters from the shore. Find the scale factor.



Depth \_\_\_\_\_

Scale Factor \_\_\_\_\_

10. Sam built a ramp to a loading dock. The ramp has a vertical support 2 meters from the base of the loading dock and 3 meters from the base of the ramp. If the vertical support is 1.2 meters in height, what is the height of the loading dock? Scale Factor?

Height of loading dock \_\_\_\_\_

Scale factor \_\_\_\_\_

