Notes

Find the unknown lengths in the pair of similar triangles. ​(Triangles are not drawn to scale. Assume corresponding sides are in the same position within each​ triangle.)

a ------- cm ​(Simplify your​ answer.)

Find the unknown lengths in the pair of similar triangles.

a --------- mm

Find the perimeter of each triangle. Assume the triangles are similar.

X=

The length of the shadow of a 4​-ft stick can be found by comparing its shadow to the shadow of a 27​-ft-tall house. The house had a shadow 6​-ft long. How long would the​ stick's shadow be at that​ time?

The length of the shadow would be -------

Jordan and Lu are walking together and notice that their shadows are different lengths.​ Jordan's shadow is 210 cm long and​ Lu's shadow is 170 cm long. If Jordan is 187 cm​ tall, how tall is​ Lu?

------ cm ​(Round to the nearest whole number as​ needed.