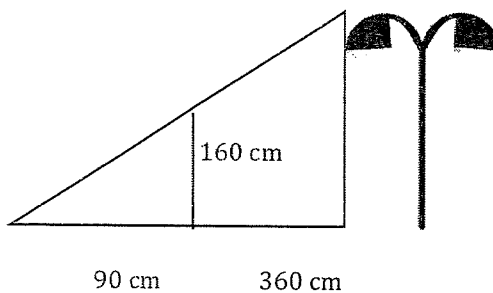


Name _____

Similar Figures Word Problems

1. A tree 24 feet tall casts a shadow 12 feet long. Brad is 6 feet tall. How long is Brad's shadow? (draw a diagram and solve)
2. Triangles EFG and QRS are similar. The length of the sides of EFG are 144, 128, and 112. The length of the smallest side of QRS is 280, what is the length of the longest side of QRS?
3. A tower casts a shadow 7 m long. A vertical stick casts a shadow 0.6 m long. If the stick is 1.2 m high, how high is the tower?
4. A girl 160 cm tall, stands 360 cm from a lamp post at night. Her shadow from the light is 90 cm long. How high is the lamp post?



5. Tony, who is 6 ft tall, casts a shadow 12 ft long. A flagpole is casting a shadow that is 18 ft long. How tall is the flagpole?

Practice Ch. 11-6 - Find Missing Side - Similar Triangles

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Find the missing length. The triangles in each pair are similar.

