Lab Assignment #22

This lab is due at 12:30 PM on Monday, 12/2, and is worth 10 points. This part may be done individually, or in a group of 2, 3, or 4 people.

Find the missing information for a 45-45-90 triangle

 a) Leg = 4.71 in
 b) Leg = 12.3 cm
 c) Leg = 64.2 ft
 d) Hyp = 43.2 cm
 e) Hyp = 21.3 ft
 f) Hyp = 19.2 in

2) Find the missing information for a 30-60-90 triangle
a) Short Leg = 3.82 cm
b) Short Leg = 29.7 in
c) Short Leg = 68.2 cm
d) Long Leg = 14.7 m
e) Long Leg = 374 in
f) Long Leg = 68.2 cm
g) Hyp = 482 cm
h) Hyp = 11.3 in
i) Hyp = 54.7 m

- 3) Find the area of these right triangles
- a) Both Legs = 14.3 cm
- b) One Leg = 38.2 feet, Other Leg = 47.4 feet c) One Leg = 162 m, Other Leg = 14.3 m

4) The area of a right triangle is 804 m^2 . One leg is 45.7 m. Find the other.

5) Find the area of each.



6) Find *x*.

