15) Find the area of the triangle:

120

30

1. Can the sides  make a triangle?

17) You are trying to make a triangle. The reason is irrelevant. You already have two sticks, one 12 cm and one 7 cm. What is the range of possibilities for the third stick?

18) Find the shortest side:

65°

71°

39°

37°

73°

56°

A

B

C

D

E

19) Tyrone has an equilateral triangle garden. He wants to fill his garden with dirt. It costs $4.97 per square foot. The height is 9 feet. How much will it cost to cover the whole garden?

20) Simplify the following radical:



21) John is patriotic so he is putting up an American flag on his house. The flag pole is at a 30° angle with the house. How long is the flag pole if the distance between the top of the pole and the house is 20 in?