Topic 1: Using Ratios - Block 4 Homework

Remember...area scale factor is equal to the square of the linear scale factor: $ASF = (LSF)^2$

Directions: A) Use the space beside each problem below to write the proportion and solve for the missing length. B) In the columns to the right, fill in the linear scale factor and the area scale factor.	Linear Scale Factor	Area Scale Factor
8 in, 6 in, x inches, 18 inches		
9 feet, x feet, 3 feet, 2 feet		
12 yards, 8 yards, x yards, 6 yards		
8 cm, 16 cm, 2 cm, x cm		
7 ft, 5, 42 ft, x		