Area of Similar Figures   Name _____

**Each set of three figures below are similar within the set.**

1. Fill in the blanks for the missing measurements for figures B and C. What is the scale factor for B _____? For C_____?

A)   4
    3

B)   8
    ___?

C)   ___?
    9

2. Find the area for A, and then find the area for B and for C using the scale factors.

A)   B)   C)

3. Fill in the blanks for the missing measurements in figures E and F. What is the scale factor for E _____? For F_____?

D)   3.5
    2

E)   10.5
    ___?

F)   ___?
    8

4. Find the area for D, and then find the area for E and for F using the scale factors.

D)   E)   F)

5. Fill in the blanks for the missing measurements for figures H and I. What is the scale factor for H _____? For I_____?

G)

2 [ ]

2

H)

[ ]

6

___?

I)

[ ]

___?

10
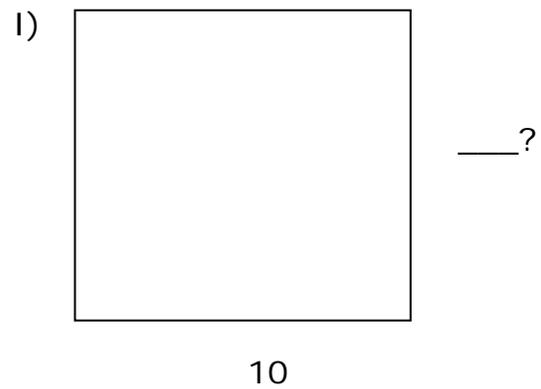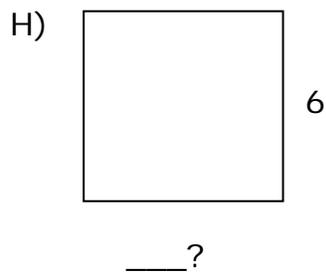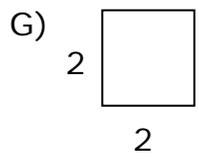
6. Find the area for G, and then find the area for H and for I using the scale factors.

G)   H)   I)

7. What is the scale factor for circle K _____? For circle L_____?

J)   (2)   K)   (4)   L)   (6)
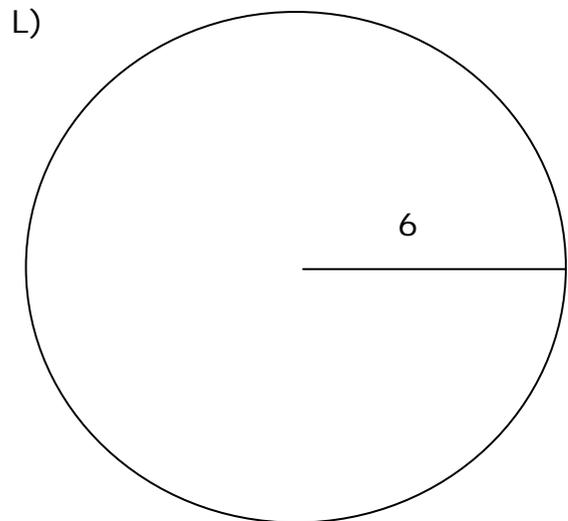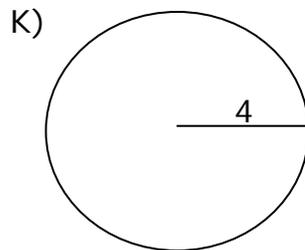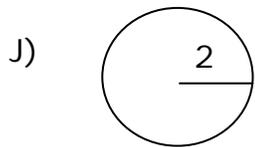
6. Find the area for J, and then find the area for K and for L using the scale factors.

J)   K)   L)