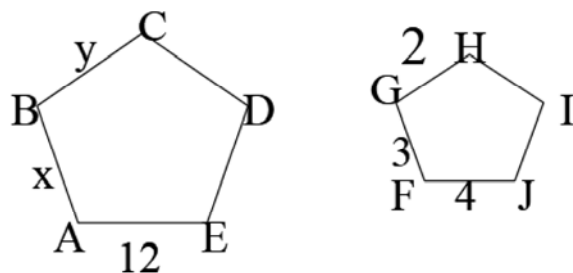## Solve for x to the nearest tenth.

1. $\dfrac{x+3}{4} = \dfrac{x}{2x-1}$

2. $x^2 - 4x = 10$

The following figures are similar:

Write the corresponding angle:

3. $\angle E = $ _____

4. $\angle C = $ _____

Write a proportion and solve for the missing side.

5. $x = $

6. $y = $

Solve for x to the nearest tenth.

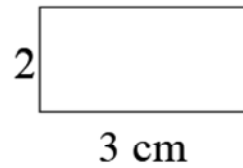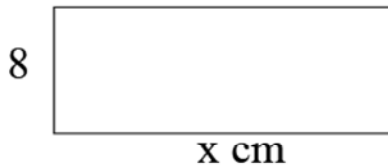**1.** $\dfrac{5x+1}{x} = \dfrac{3x}{x-2}$ **radical** _____

                         decimal _____

2. Find x, given the following similar rectangles.

8 [   ]   2 [   ]

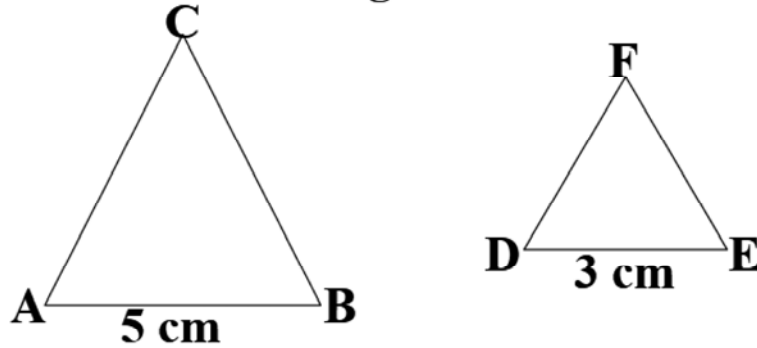   x cm   3 cm

**If the ratio of the sides of two similar rectangles
is 8 to 15, then**

3. What is the ratio of the perimeters?

4. What is the ratio of the areas?

Use the two similar triangles for 1-5.

1. If the perimeter of ΔABC is 20 cm, find the perimeter of ΔDEF.

2. If the area of ΔDEF is 36 cm^2, find the area of ΔABC.

3. If BC= 8 cm, find EF.

4. ∠B corresponds to ∠_____.

5. ΔBCA~Δ____