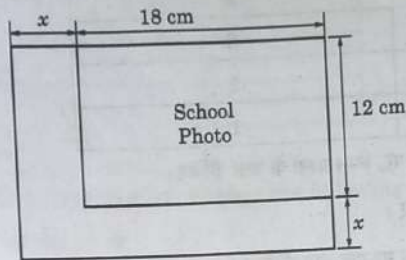




37. While designing the school year book, a teacher asked the student that the length and width of a particular photo is increased by x units each to double the area of the photo. The original photo is 18 cm long and 12 cm wide.

Based on the above information, answer the following questions :

- (I) Write an algebraic equation depicting the above information. 1
(II) Write the corresponding quadratic equation in standard form. 1
(III) What should be the new dimensions of the enlarged photo ? 2



OR

Can any rational value of x make the new area equal to 220 cm^2 ?

38. India meteorological department observes seasonal and annual rainfall every year in different sub-divisions of our country.

