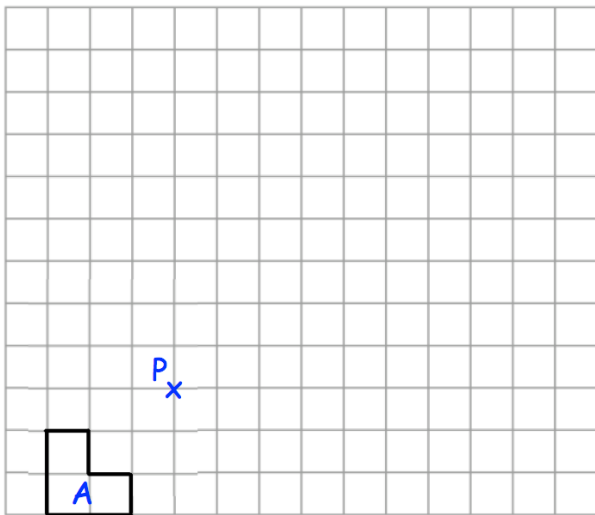




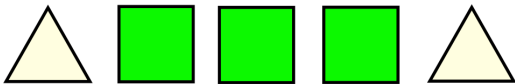
Solve, giving your answers to one decimal place.

$$x^2 - 6x - 20 = 0$$



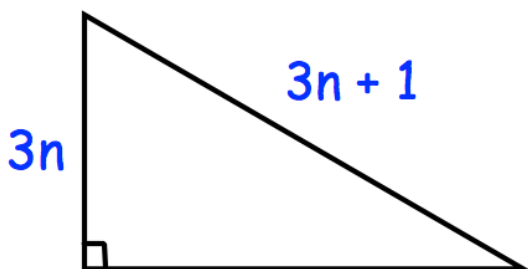
Enlarge shape A by scale factor -2 , using the point P as centre of enlargement.

Write down the gradient of a line that is perpendicular to $y = 8x - 2$



Sophie selects a shape at random, then replaces it. She then selects another.

Find the probability that she selects one of each shape.



Find an expression for the third side.