Basic Area and Perimeter

A. Find the perimeter (P) and area (A) for the figures below.
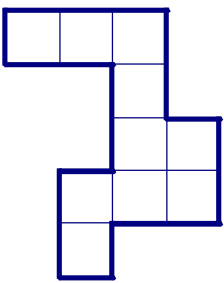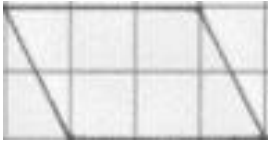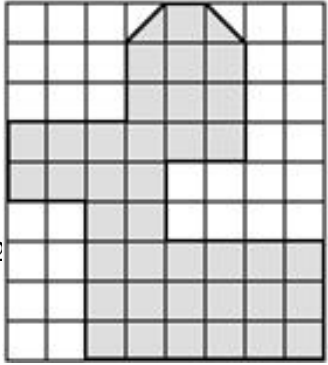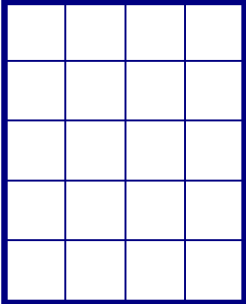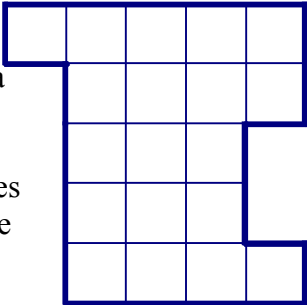
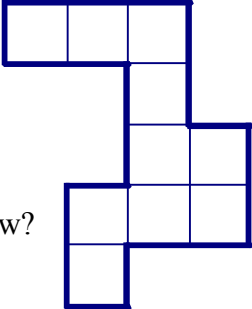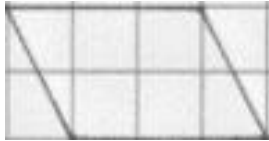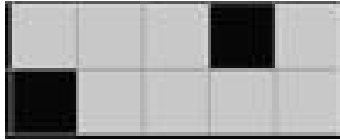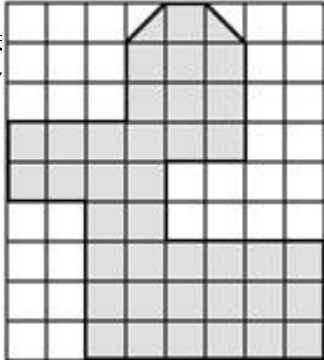|		
1. P = 18 units A = 20 units^2	**2.** P = 22 units A = 19 units^2	**3.** P = 20 units A = 10 units^2
4. P = XX A = 4 wholes + 4 parts = **6** units^2	**5.** P = 16 units A = 8 units^2	**6.** P = XX A = 38u^2

B. Draw the shape that meets the requirement.

1. Area of 4 with maximum perimeter. 4 x 1	**2.** Perimeter of 20 with minimum area. 1 X 9	**3.** Area of 9 with minimum perimeter. 3 x 3

Probability

A. Find the probability for each figure as a fraction, decimal, and percent.

1. What is the probability a bird would land on one of the squares in the top row? — Prob. = 4/20 = ¼ = .2 = 20%	**2.** What is the probability a bird would land on one of the squares in the middle column? – Prob. = 5/**19** = **.26** = 26%	**3.** What is the probability a bird would land on one of the squares in the middle row? Prob. = 2/10 =1/5 = .2 = 20%
4. What is the probability a bird would land on one of the squares in the parallelogram? Prob. = 6/**8** = ¾ = **.75** = 75%	**5.** What is the probability a bird would land on one of the squares black squares? Prob. = 2/10 = 1/5 = .2 = 20%	**6.** What is the probability a bird would land on one of the shaded squares? Prob. = 38/**72** = 19/36 = **.53** = 53%