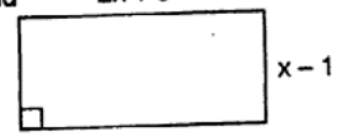
Review #1

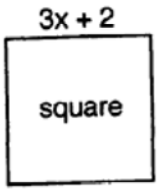
1. Find



P =

A =

2.



P =

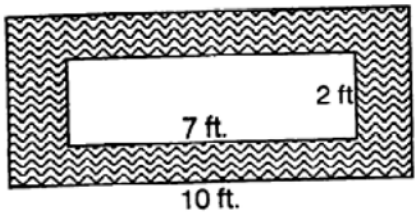
A =

3.

P =

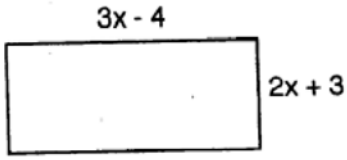
A =

4.

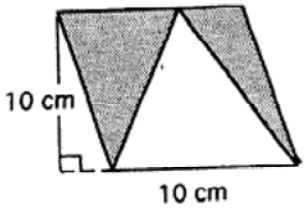


A =

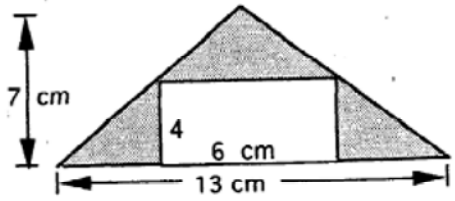
5. The perimeter of this rectangle is 78 cm. Find the dimensions.



6. Find the shaded area.



7. Find the shaded area.



8. Find the longest side of a parallelogram with a perimeter of 66 ft., if the sides measure $3x + 1$ and $2x - 3$.

9. A 12" diameter ball rolls around inside the bottom of a rectangular box that is 14" wide and 30" long. The ball always touches the side of the box. Make a sketch of the ball in several positions. What is the shape of the path of the center of the ball? _____

How long is the path? _____

Selected Scrambled Answers: 20, 50, $12x + 8$, 15, 22, 10, $6x + 8$, 26, $9x^2 + 12x + 4$