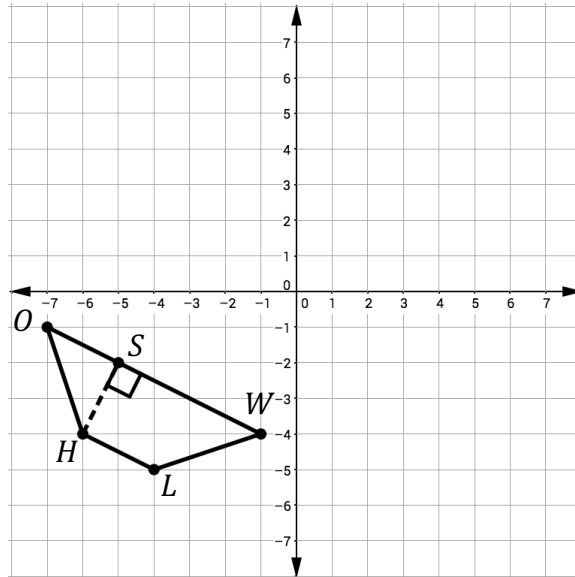


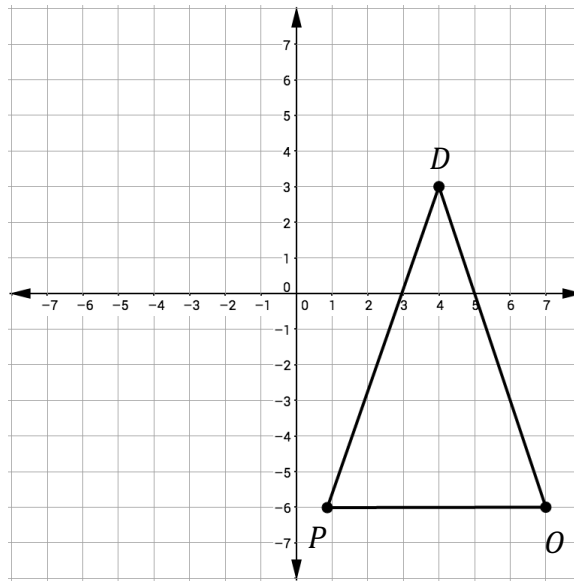
Triangles – Part 1**Area and Perimeter in the Coordinate Plane – Part 2****Independent Practice**

1. Find the area of the trapezoid $HOWL$ plotted below. Round your answer to the nearest hundredth.



2. Triangle SBA has coordinates $S(15, -8)$, $B(-2, 21)$, and $A(0, 0)$. Determine the perimeter and area of $\triangle SBA$. Round your answer to the nearest unit.

3. Consider $\triangle OPD$ in the coordinate system below.

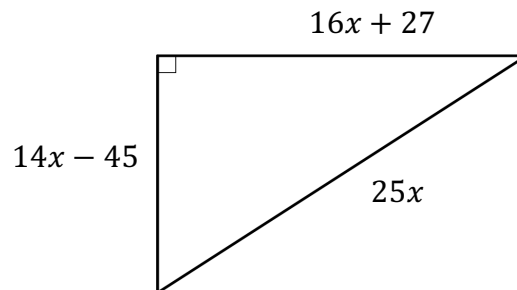


Part A: Find the approximate perimeter of the isosceles triangle $\triangle OPD$. Round your answer to the nearest hundredth.

Part B: If each block is equal to $25ft^2$, then determine the area of $\triangle OPD$.

4. Consider the right triangle below.

If the perimeter is 1013 units, find the value of x and the area of the triangle.



The value of x is _____.

The area is _____ square units.