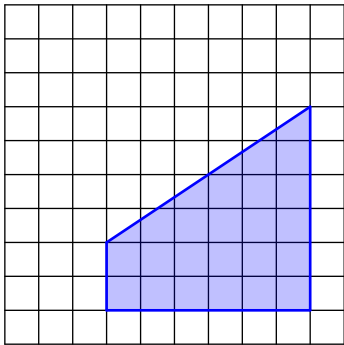


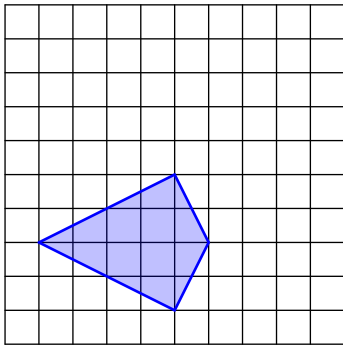
Polygons on a Grid or Coordinate Plane

Find the area of each polygon. Each square on the grid represents one square unit.

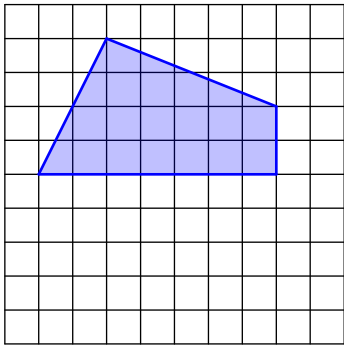
1)



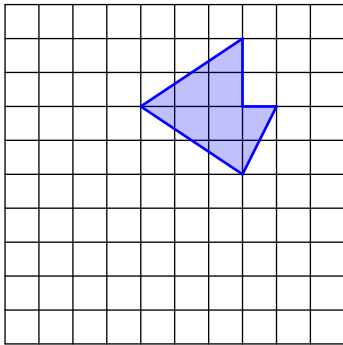
2)



3)

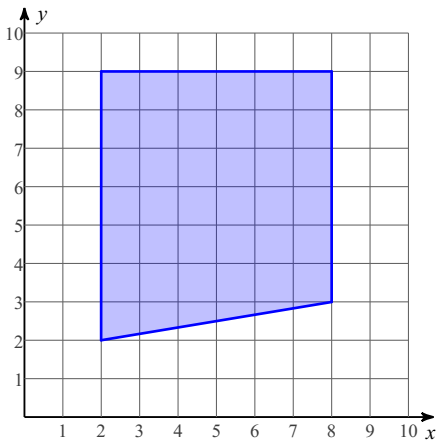


4)

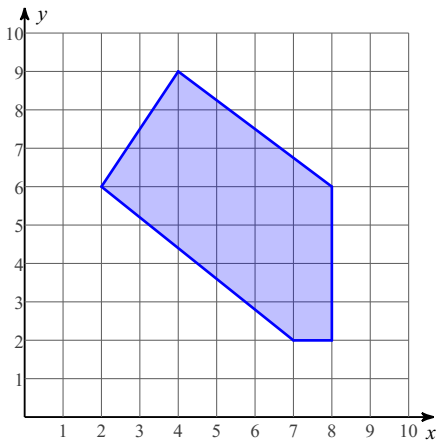


Find the area of each polygon.

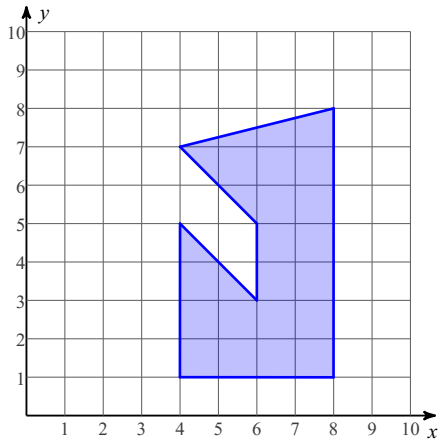
5)



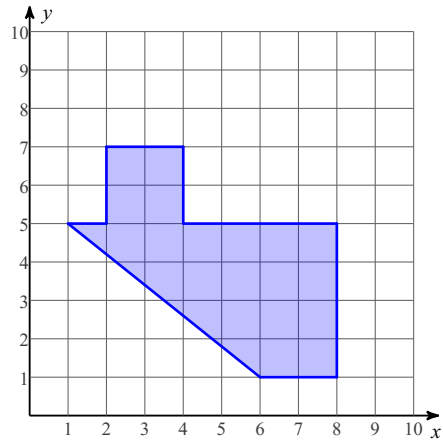
6)



7)

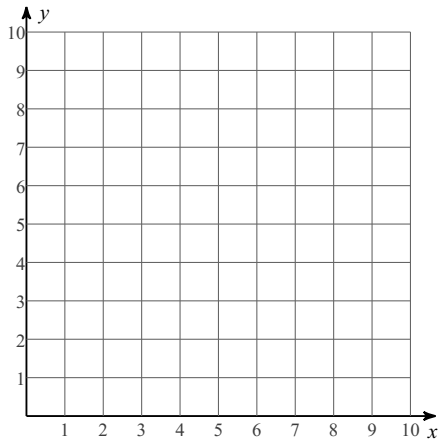


8)

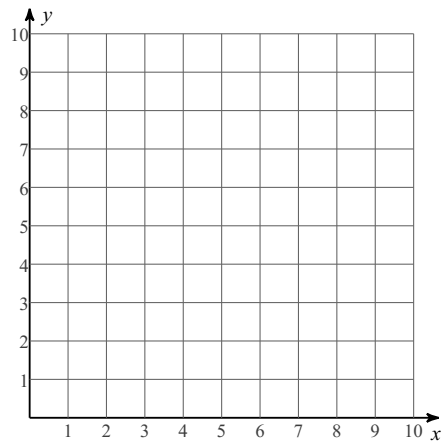


For each problem, find the area of the polygon described by the set of vertices. Use the coordinate plane to sketch the polygon.

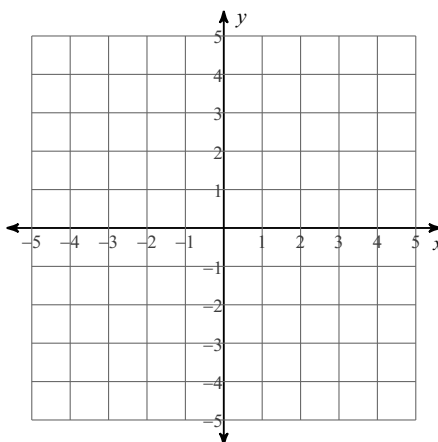
9) Vertices: $A(3, 3)$, $B(5, 7)$, $C(7, 7)$, $D(8, 3)$



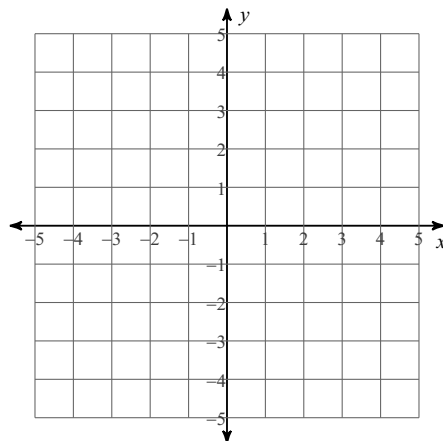
10) Vertices: $A(3, 5)$, $B(2, 8)$, $C(9, 8)$, $D(8, 5)$, $E(4, 7)$



11) Vertices: $A(0, 0)$, $B(-3, 2)$, $C(0, 4)$, $D(3, 2)$, $E(0, 2)$



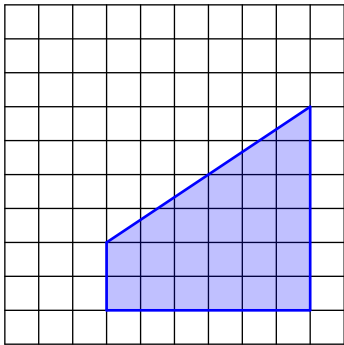
12) Vertices: $A(-1, 4)$, $B(2, 3)$, $C(2, -4)$, $D(-1, -3)$, $E(-1, -2)$, $F(-4, -3)$, $G(-4, 2)$, $H(-1, 3)$



Polygons on a Grid or Coordinate Plane

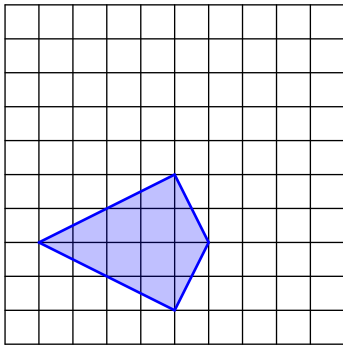
Find the area of each polygon. Each square on the grid represents one square unit.

1)



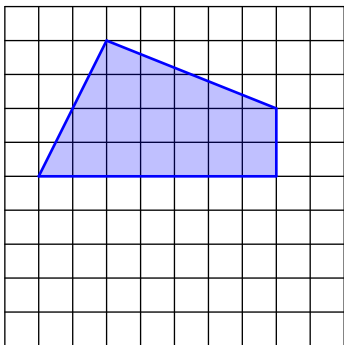
24 units²

2)



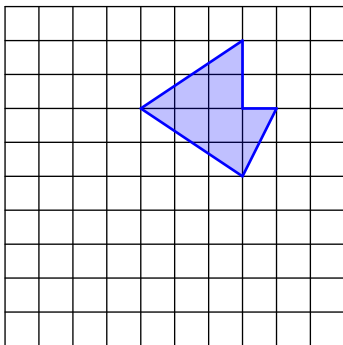
10 units²

3)



19 units²

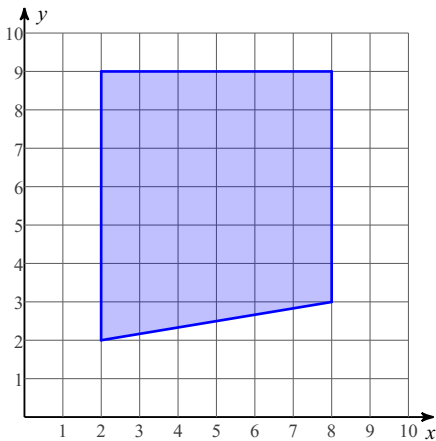
4)



7 units²

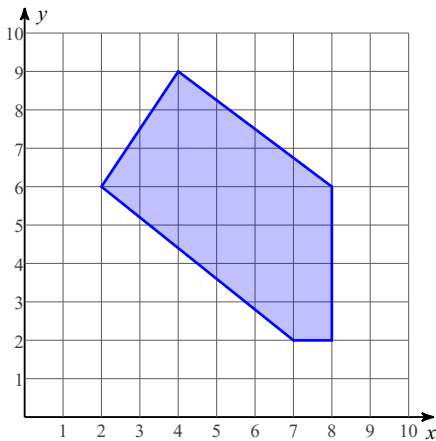
Find the area of each polygon.

5)



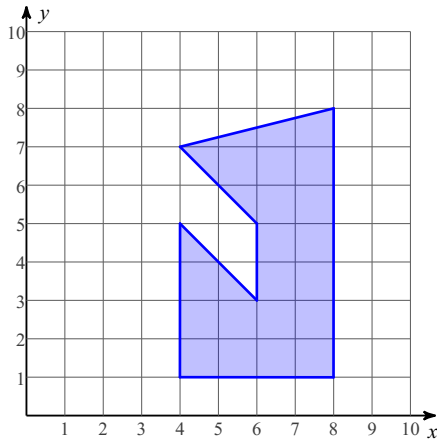
39 units²

6)

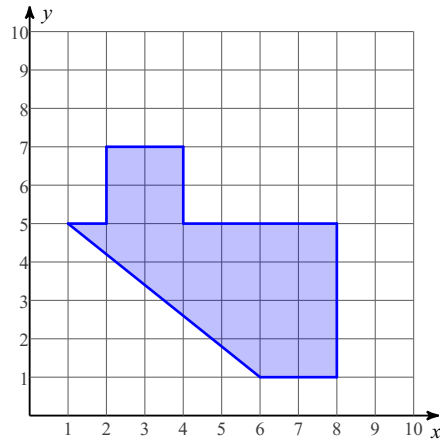


23 units²

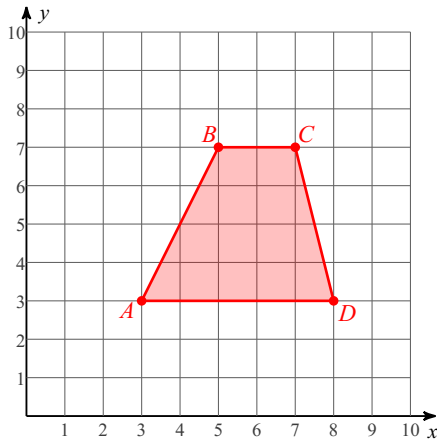
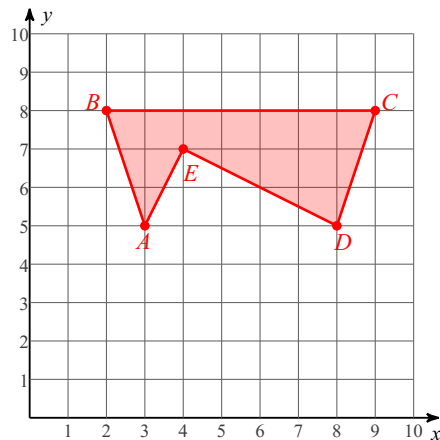
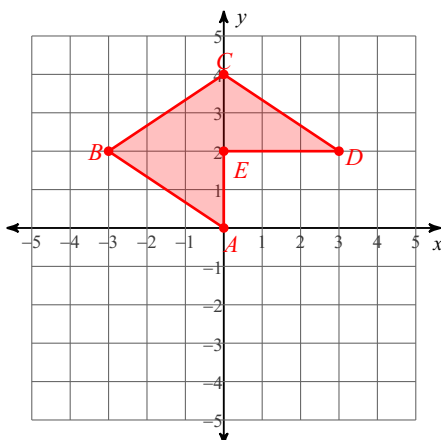
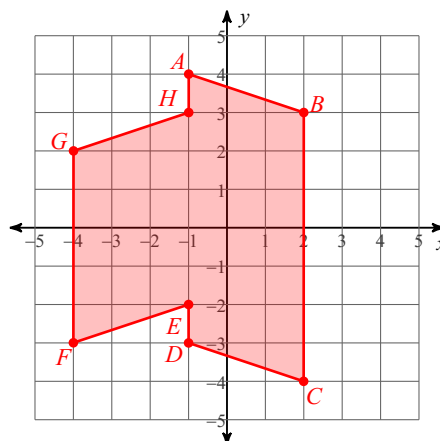
7)

22 units²

8)

20 units²

For each problem, find the area of the polygon described by the set of vertices. Use the coordinate plane to sketch the polygon.

9) Vertices: $A(3, 3)$, $B(5, 7)$, $C(7, 7)$, $D(8, 3)$ 14 units²10) Vertices: $A(3, 5)$, $B(2, 8)$, $C(9, 8)$, $D(8, 5)$, $E(4, 7)$ 13 units²11) Vertices: $A(0, 0)$, $B(-3, 2)$, $C(0, 4)$, $D(3, 2)$, $E(0, 2)$ 9 units²12) Vertices: $A(-1, 4)$, $B(2, 3)$, $C(2, -4)$, $D(-1, -3)$, $E(-1, -2)$, $F(-4, -3)$, $G(-4, 2)$, $H(-1, 3)$ 24 units²