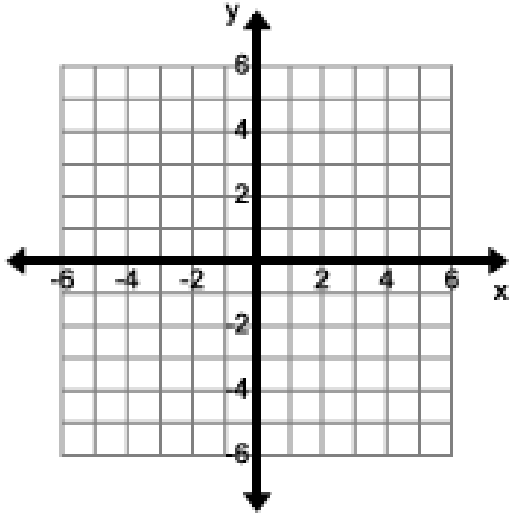


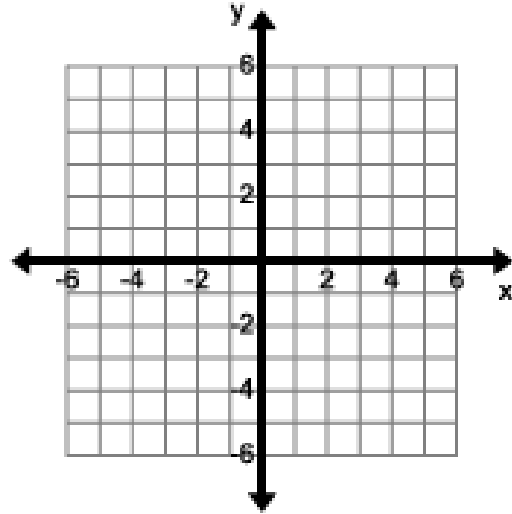
15.5B Finding area using determinants

Use determinants to find the area of each. Hint: It may be helpful to graph the vertices.

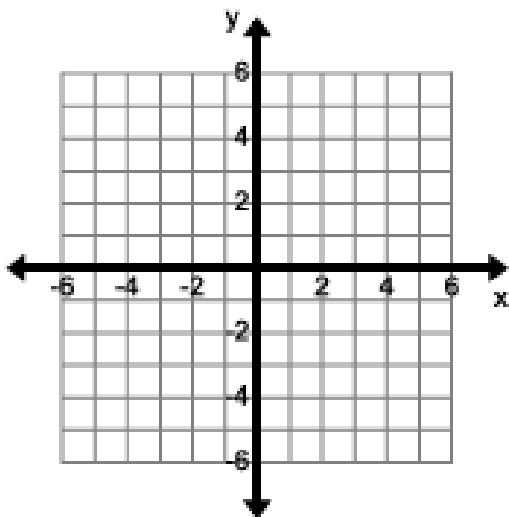
1. Triangle with vertices $(1,4)$, $(2,-5)$, and $(-6,-)$



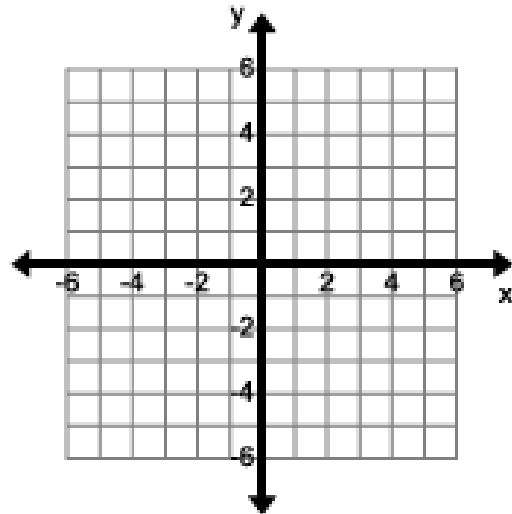
2. Triangle with vertices $(1,-1)$, $(2,-4)$, and $(7,-1)$



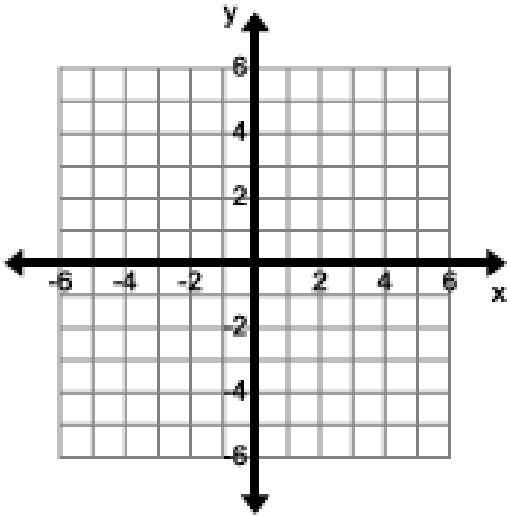
3. Parallelogram with vertices $(1,1)$, $(4,1)$, $(5,4)$, and $(2,4)$



4. Parallelogram with vertices $(1,-1)$, $(4,-2)$, $(5,2)$, and $(2,3)$



5. Choose three points of your own to represent the vertices of a triangle. Use the area determinant to find the area.



6. Choose four points of your own to represent the vertices of a parallelogram. (You might want to graph them to make sure they make a parallelogram.) Use the area determinant to find the area.

