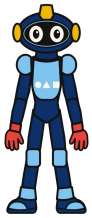
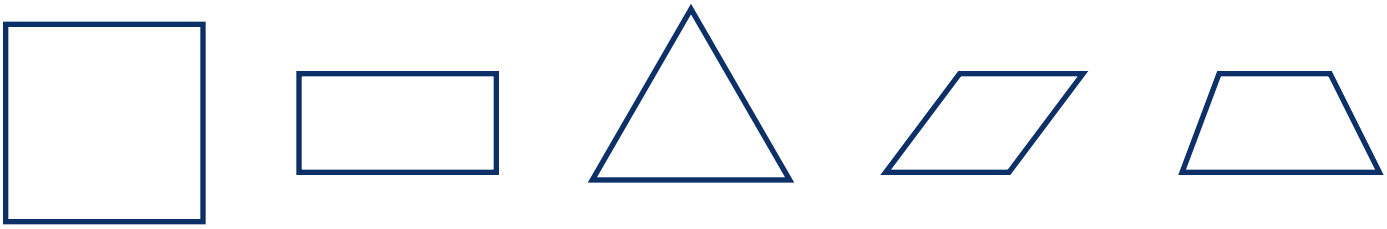
Gate detective



Check the properties. Find a counterexample.

For each outline, write Yes or No for each gate.
Look at every property. One Yes does not decide the other gates.



A **B** **C** **D** **E**

Shape	4 sides?	All angles right?	All sides equal?
A			
B			
C			
D			
E			

Emmy says, "All shapes with 4 equal sides are squares."
Circle one outline that proves this statement is not always true.
Show why: add marks for equal sides and mark an angle that is not right.

My counterexample is _____ because _____