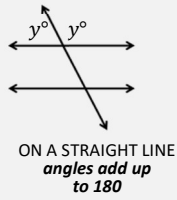
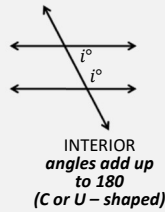
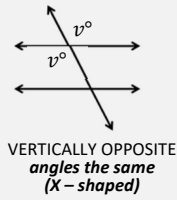
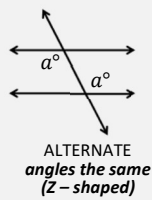
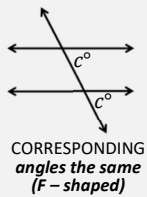
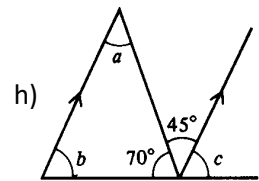
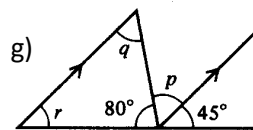
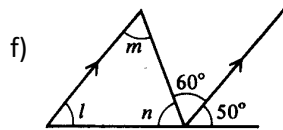
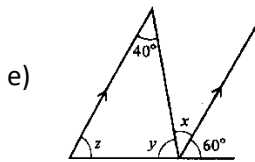
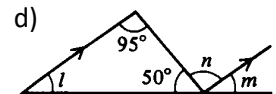
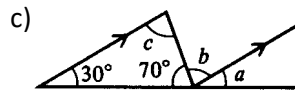
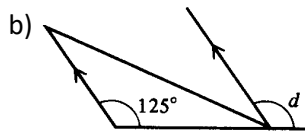
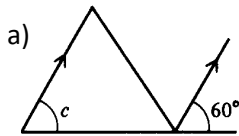


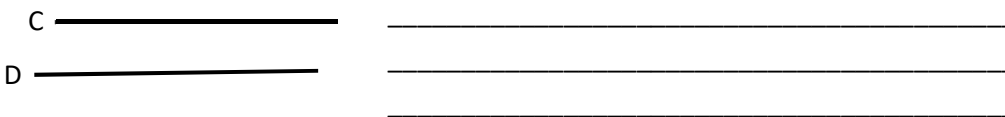
You learned the properties of parallel lines in Level D. Parallel lines and the transversal form several shapes with various properties. Corresponding, alternate and vertically opposite angles are all the same size. Interior and angles on a straight line add up to 180 degrees.



1. Calculate the missing angle in each of the diagram below, giving reasons:

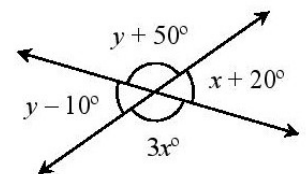


2. Are lines C and D parallel? _____ How do you know?



CHALLENGE

Find the size of each angle



3. On the diagram of the soccer pitch shown, mark the sets of parallel lines you discover.

How many sets of parallel lines have you found?

