

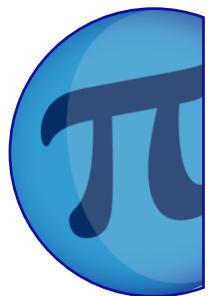


Topology

NAME:

CLASS:

DATE:



Basic/Core/Advanced

- 1) Group the following items so that they are topologically equivalent.

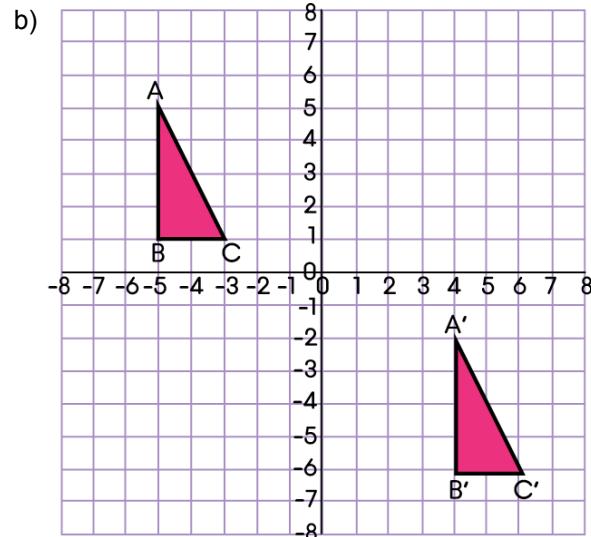
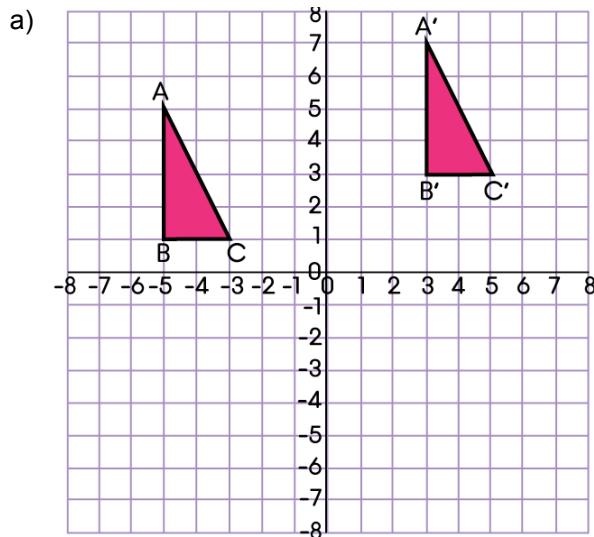
	8	β
&		
	∞	

- 2) List the upper case letters of the alphabet in their homeomorphic grouping.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Basic/Core/Advanced

3) In each of the diagrams below describe the translations that take triangle ABC to triangle A'B'C'.





Topology

ANSWERS

Basic/Core/Advanced

1)

0	8 2	β 1
& 2	0	1
1	∞ 2	0

2) (A, R)

(B)

(C, G, I, J, L, M, N, S, U, V, W, Z)

(D, O)

(E, F, T, Y)

(H, K)

(P, Q)

(X)

3) a) $\begin{pmatrix} 8 \\ 2 \end{pmatrix}$ b) $\begin{pmatrix} 9 \\ -9 \end{pmatrix}$