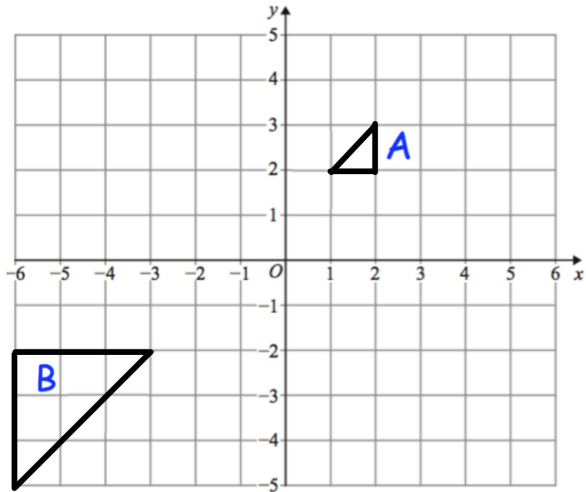




Make  $w$  the subject of  $a + 2w^3 = s$



Rotate triangle A  $90^\circ$  anticlockwise about the point  $(-1, 1)$

Describe fully the single transformation that takes shape A to shape B.

Simplify fully

$$\frac{x^2 + 6x + 8}{2x + 8}$$

Simplify

$$\frac{(3^6)^5}{9 \times 3^7}$$

Give your answer as a power of 3.