

21st August



Corbettmaths

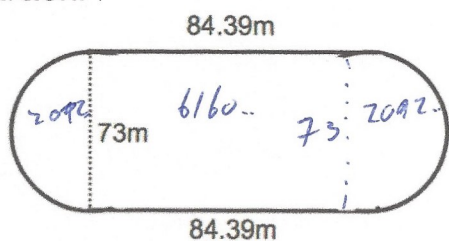
Expand and simplify

$$5(3x + 2) - 4(x - 9)$$

$$15x + 10 - 4x + 36$$

$$11x + 46$$

Find the area inside the running track.



$$73 \times 84.39 = 6160.47$$

$$\frac{1}{2}(\pi \times 36.5^2) = 2092.69$$

$$10345.857 \text{ m}^2$$

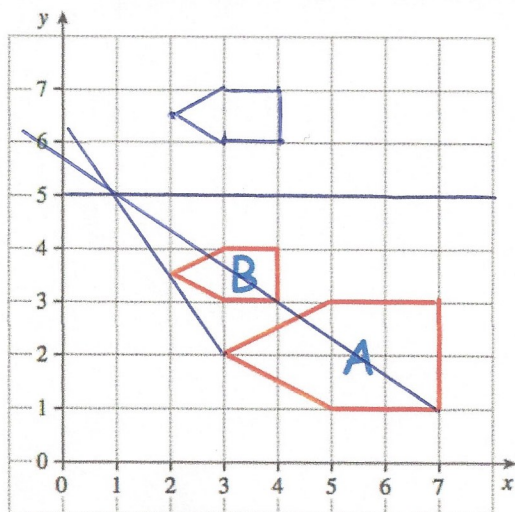
Here are the equations of four lines.

- Line 1 $2y = 8x + 6$ $y = 4x + 3$
- Line 2 $x + y = 6$ $y = -x + 6$
- Line 3 $4x - y = 5$ $y = 4x - 5$
- Line 4 $4x + 2y = 1$ $y = -2x + \frac{1}{2}$

Two of the lines are parallel.

Which lines?

lines 1 & 3



Describe fully the single transformation that maps shape A onto shape B.

Enlargement by sf $\frac{1}{2}$
with centre of enlargement
(1, 5)

Reflect B in the mirror line $y = 5$