

- 1.** The point $P(-4, 5)$ lies on the continuous curve with equation $y = f(x)$, $x \in \mathbb{R}$
Find the coordinates of the point to which P is mapped when the curve with equation $y = f(x)$ is transformed to the curve with equation

(a) $y = 4f(2x)$

(2)

(b) $y = f(x + 3) - 2$

(2)