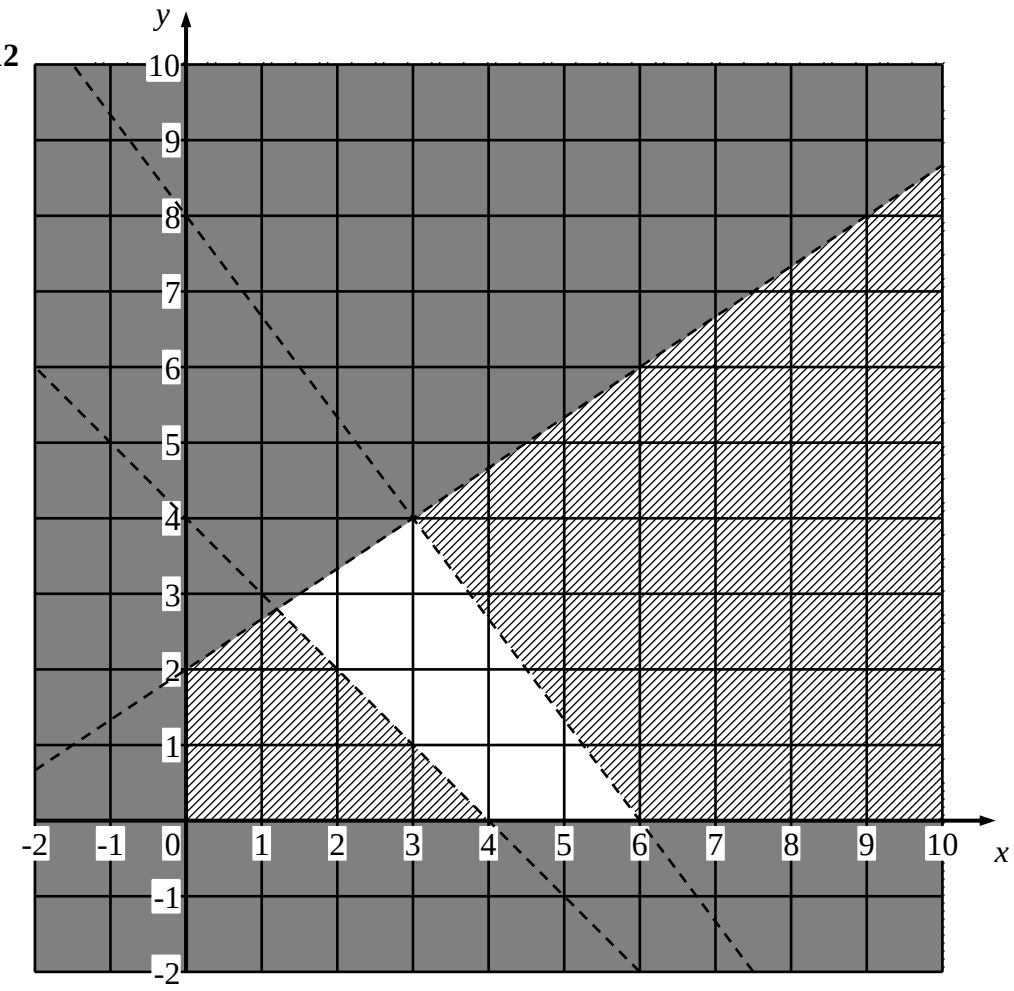
20	$y=\frac{2}{3}x\left(+\frac{12}{3}\right)$ **or** $y=\frac{2x+12}{3}$ **or** gradient = $\frac{2}{3}$ (gradient of perpendicular line =) $-\frac{3}{2}$ oe **or** $\frac{-1}{"\frac{2}{3}"}$ oe $37="-\frac{3}{2}"\times 4+c$ **or** $c = 43$ $y=-\frac{3}{2}x+43$	$3x + 2y = 86$	5	M1 M1 ft from their gradient M1 (dep on previous M1) and ft from their gradient — M1 for $y-37="-\frac{3}{2}"(x-4)$ A1 correct equation (equation in any form) — A1 for $y-37=-\frac{3}{2}(x-4)$ A1 for $3x + 2y = 86$ oe for a simplified equation with integer coefficients e.g. $3x = 86 – 2y$
	Alternative scheme $2y = −3x + c$ oe $2 \times 37 = -3 \times 4 + c$	$3x + 2y = 86$	5	M2 M1 A2 for $3x + 2y = 86$ oe for a simplified equation with integer coefficients e.g. $3x = 86 – 2y$

Question 12



Pearson Education Limited. Registered company number 872828
with its registered office at 80 Strand, London, WC2R 0RL, United Kingdom