25	eg $\left(\frac{-4+2}{2}, \frac{6+3}{2}\right)$ **or** (−1, 4.5) oe		6	M1	for method to find the midpoint of *AB*
	eg $\frac{6-3}{-4-2}\left(=\frac{3}{-6}\right)$ oe **or** $-\frac{1}{2}$ oe **or** −0.5			M1	for method to find the gradient of *AB*
	eg $m \times "-0.5" = -1$ oe **or** $m = 2$			M1	for use of $m_1 m_2 = -1$ to find the gradient of the line of symmetry
	eg $y - 8 = "-0.5"(x - (-1))$ **or** 8 = "−0.5" × −1 + *c* **or** $\frac{y-8}{x-(-1)} = "-0.5"$ **or** $y - 4.5 = "2"(x - (-1))$ **or** 4.5 = "2" × −1 + *c* **or** $\frac{y-4.5}{x-(-1)} = "2"$			M1	for method to find an equation for *CD* **or** the line of symmetry
	eg 2*x* + 6.5 = −0.5*x* + 7.5 **or** $\frac{y-6.5}{2} = \frac{y-7.5}{-0.5}$			M1	for a correct linear equation to find the *x* or *y* coordinate of *E*
	Correct answer scores full marks (unless from obvious incorrect working)	(0.4, 7.3)		A1	oe
					Total 6 marks

ALTERNATIVE (using the length of *CD*):

25	eg $\frac{6-3}{-4-2}\left(=\frac{3}{-6}\right)$ oe **or** $-\frac{1}{2}$ oe **or** −0.5		6	M1	for method to find the gradient of *AB*
	eg $y - 8 = "-0.5"(x+1)$ **or** 8 = "−0.5" × −1 + *c* **or** $\frac{y-8}{x-(-1)} = "-0.5"$			M1	for method to find an equation for *CD*
	eg $\sqrt{(-1-(-4))^2 + (8-6)^2}\ (=\sqrt{13})$			M1	for method to find the length of *AD* or AD^2
	eg $\sqrt{(x-2)^2 + (7.5-0.5x-3)^2} = "\sqrt{13}"$ **or** $\sqrt{(15-2y-2)^2 + (y-3)^2} = "\sqrt{13}"$			M1	for setting up an equation for the *x* or *y* coordinate of *C*
	(1.8, 6.6) oe			M1	for the correct coordinates for *C*
	Correct answer scores full marks (unless from obvious incorrect working)	(0.4, 7.3)		A1	oe
					Total 6 marks