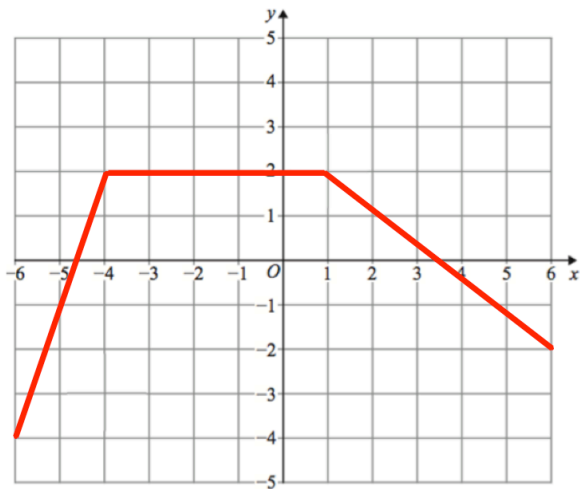


27th July

Corbettmaths

Expand and simplify

$$(x - 3)(x - 4)^2$$

Define $f(x)$, stating clearly the domain for each part.

Solve

$$5\cos x = 1 + 2\sin^2 x$$

$$\text{for } 0^\circ < x < 360^\circ$$