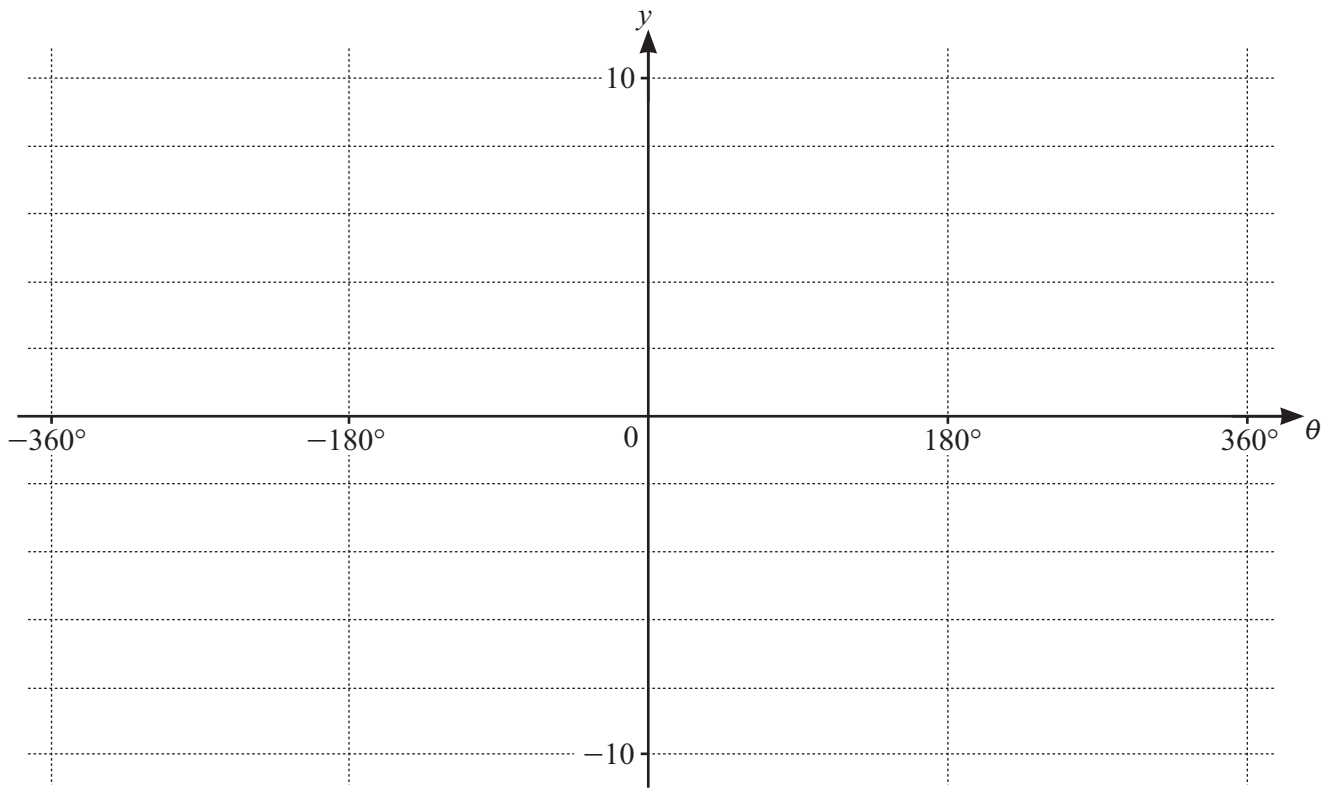
2 On the axes, sketch the graph of $y = 4 + 5\sin\frac{\theta}{2}$, for $-360° \leqslant \theta \leqslant 360°$. State the intercept with the y-axis. [4]



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3 Find the values of k for which the equation $4x^2 - k = 4kx - 2$ has no real roots. [4]

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