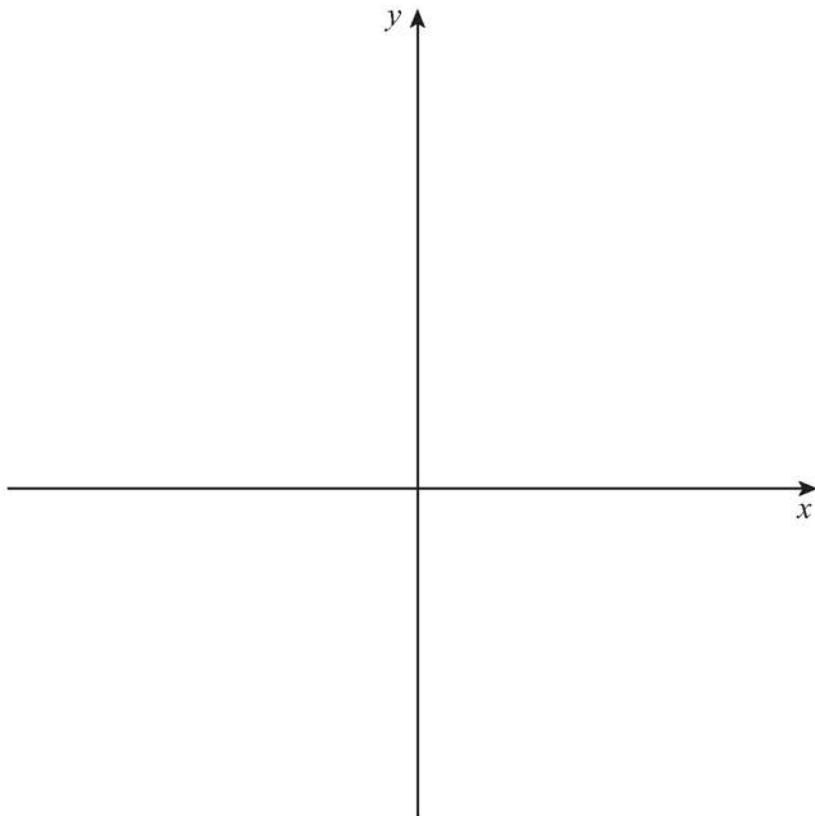**8 (a)** Sketch the graph of $y = \dfrac{1}{x^2}$

[2 marks]

8 (b) The graph of $y = \dfrac{1}{x^2}$ can be transformed onto the graph of $y = \dfrac{9}{x^2}$ using a stretch in one direction.

Beth thinks the stretch should be in the y-direction.

Paul thinks the stretch should be in the x-direction.

State, giving reasons for your answer, whether Beth is correct, Paul is correct, both are correct or neither is correct.

[3 marks]