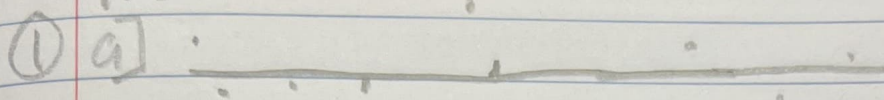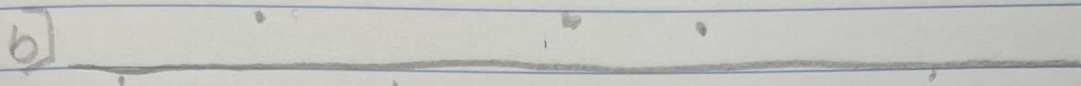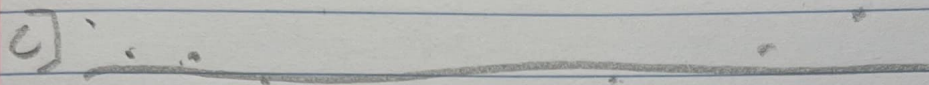1.6

① a)

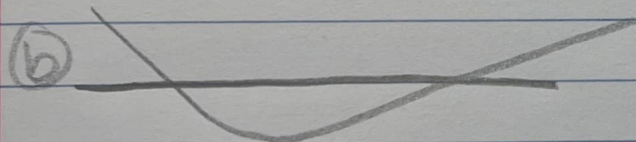This is a good fit. No pattern. Small size

b)

Good fit but there does seem to be a pattern a little bit. Small size

c)

Good fit, Pattern, Small

② a) $y = -0.195x + 104.801$

b)

c) There is a pattern. It is non linear, there is a better model because it is nonlinear. It would be a square root graph I believe.