No calculator
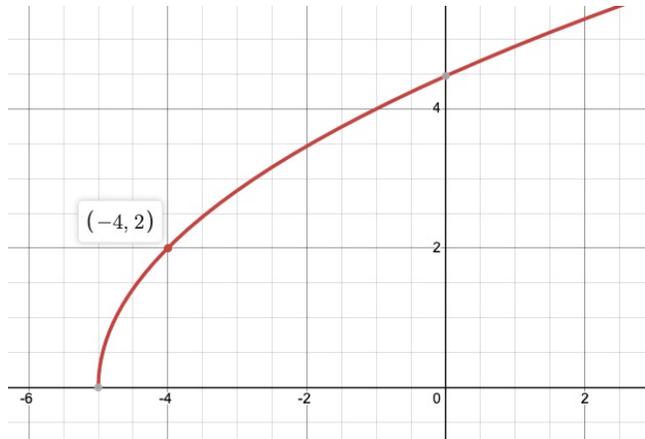
1) Find an equation for this graph.

$(-4, 2)$

2) Graph $y = -\dfrac{1}{x} + 3$

Ans:

1) $y = 2 * \sqrt{x + 5}$

2)