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**Question1:** Find the x-coordinate of the horizontal tangent to the curve given by  $y = \cosh(\ln(x)) + 4x$  .

**Question2:** Find the linearization  $L(x)$  of the function  $f(x) = 1 + \ln(1 - 2x)$  at  $a = 0$ , and find  $L(-1)$ .

**Question3.** The radius of a circular disk is measured with a possible error of 2.5 cm. find the maximum percentage error of the circumference of the disk.