$$\frac{2}{5}$$

$$\frac{5}{125-2}$$

$$\frac{2}{5}$$

$$\frac{7}{5}$$

$$\frac{7}{5}$$

$$\frac{7}{5}$$

$$\frac{7}{5}$$

$$\frac{16}{x}$$

$$\tan(\arccos x) = \tan \theta = \frac{125 - x^2}{x}$$

[3] (a)
$$ln(4x-3) = 10 \Rightarrow$$

 $4x-3 = e^{l(4x-3)} = e^{l(0)}$
 $4x-3 = e^{l(0)} + 3 \Rightarrow x = e^{l(0)} + 3$
 $4x = e^{l(0)} + 3 \Rightarrow x = e^{l(0)} + 3$
(b) $e^{3x-9} = 20 \Rightarrow$
 $3x-9 = ln(e^{3x-9}) = ln 20 \Rightarrow$

$$3 \times = \ln 20 + 9 \Rightarrow \times = \frac{\ln 20 + 9}{3}$$