Solution.

$sin(x) - cos(x) = -0.3$,
$\sin(x) - \cos(x) = -\sqrt{2}\left(\frac{\cos(x)}{\sqrt{2}} - \frac{\sin(x)}{\sqrt{2}}\right) = -\sqrt{2}\left(\cos\left(\frac{\pi}{4}\right)\cos(x) - \sin\left(\frac{\pi}{4}\right)\sin(x)\right) = -\sqrt{2}\cos\left(\frac{\pi}{4} + x\right)$,
So $-\sqrt{2}\cos\left(\frac{\pi}{4} + x\right) = -\frac{3}{10}$.

Divide both sides by $-\sqrt{2}$:

$\cos\left(\frac{\pi}{4} + x\right) = \frac{3}{10\sqrt{2}}$,

For $\cos(x) = a, x = \pm\arccos(a) + 2\pi n, n \in Z$, then

$\frac{\pi}{4} + x = \pm\arccos\left(\frac{3}{10\sqrt{2}}\right) + 2\pi n, n \in Z$.

Subtract $\frac{\pi}{4}$ from both sides:

$x = \pm\arccos\left(\frac{3}{10\sqrt{2}}\right) - \frac{\pi}{4} + 2\pi n, n \in Z$.

Answer.

$x = \pm\arccos\left(\frac{3}{10\sqrt{2}}\right) - \frac{\pi}{4} + 2\pi n, n \in Z$.