<u>£77.0</u> (d) 21.4.3 In each part below, find the fraction that is equal to the given decimal.

<u> 18</u>8.0 (b)

₹69.0

What are the domain and range of the function $f(x) = 3 \cdot 5^x - 42$

19.1.2 Find all values of r such that $5^{2r-3} = 25$.

19.1.3 Find all values of t such that $6^{3t-1} = 36^{t-3}$.

 $^{\text{£+x2}}$ bni $^{\text{F}}$. Simple $^{\text{E}}$ 3 souppose $^{\text{F}}$ 3. Find $^{\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$}}$}}$}$}}}}}$

19.1.5 Find the value of x that satisfies the equation $25^{-2} = \frac{5^{48/x}}{5^{26/x} \cdot 25^{17/x}}$. (Source: AMC 12)

19.1.7* If $9^{x+3} = 7$, then what is 3^{2x+3} ?