

Find the Domain of the following radical functions:

1. $f(x) = \sqrt{x+5}$

1, _____

2. $f(x) = \sqrt{3x+4}$

2, _____

3. $f(x) = \sqrt{1-x}$

3, _____

4. $f(x) = \sqrt{5-3x}$

4, _____

Find the Domain of the following radical functions:

1. $f(x) = \sqrt{x+5}$

$$\begin{aligned} x+5 &\geq 0 \\ x &\geq -5 \end{aligned}$$

1. $x \geq -5$

2. $f(x) = \sqrt{3x+4}$

$$\begin{aligned} 3x+4 &\geq 0 \\ 3x &\geq -4 \\ x &\geq -\frac{4}{3} \end{aligned}$$

2. $x \geq -\frac{4}{3}$

3. $f(x) = \sqrt{1-x}$

$$\begin{aligned} 1-x &\geq 0 \\ -x &\geq -1 \\ x &\leq 1 \end{aligned}$$

3. $x \leq 1$

4. $f(x) = \sqrt{5-3x}$

$$\begin{aligned} 5-3x &\geq 0 \\ -3x &\geq -5 \\ x &\leq \frac{5}{3} \end{aligned}$$

4. $x \leq \frac{5}{3}$