

1.7
2

$$5 \frac{x+2}{3-x} > \sqrt{5} \approx 5^{\frac{1}{2}}$$

$$\frac{x+2}{3-x} - \frac{1}{2} > 0$$

$$0 > \frac{2x+4-3+x}{2(3-x)} = \frac{3x+1}{3-x}$$

$$\begin{array}{c} + \\ - \frac{1}{3} \quad \frac{1}{3} - \end{array}$$

$$\boxed{-\frac{1}{3} < x < 3}$$