

$$14. \quad 1 < \left| x - \frac{2}{3} \right| + \frac{8}{3}$$

$$\left| x - \frac{2}{3} \right| + \frac{8}{3} > 1$$

$$\left| x - \frac{2}{3} \right| > 1 - \frac{8}{3}$$

$$\left| x - \frac{2}{3} \right| > -\frac{5}{3}$$

$$\boxed{(-\infty, \infty)}$$

$$15. \quad \left| 5 - \frac{x}{2} \right| - 3 \leq 3$$

$$\left| 5 - \frac{x}{2} \right| \leq 3 + 3$$

$$\left| 5 - \frac{x}{2} \right| \leq 6$$

$$-Q \leq P \leq Q$$

$$-6 \leq 5 - \frac{x}{2} \leq 6$$

$$2(-6) \leq 2(5) + 2\left(-\frac{x}{2}\right) \leq 2(6)$$

$$-12 \leq 10 - x \leq 12$$

$$-12 - 10 \leq -x \leq 12 - 10$$

$$-22 \leq -x \leq 2$$

$$\frac{-22}{-1} \geq \frac{-x}{-1} \geq \frac{2}{-1}$$

$$22 \geq x \geq -2$$

$$\boxed{-2 \leq x \leq 22}$$