

1.3 Homework Problems

(17) Find the solution set of the inequality

$$\frac{x+2}{x-1} < 4$$

(20) Prove Theorem 1.13(ii) - If $a < 0$ and $b < 0$, then $ab > 0$.

(22) Prove Theorem 1.15(iii) - If $a > b$ and a and b have the same sign, then $\frac{1}{a} < \frac{1}{b}$.

(24) Prove - If $a > b$ and $c > d$, then $a + c > b + d$.