

MANAGERANTIA

13.
$$y = 2x + 4$$
; (1, a) $y = a$
 $y = 2(1) + 4$

$$2 = 3 \times -1$$

$$+1$$

$$(x=1)$$

$$y = (1)^2 \cdot 1$$

R:
$$y = -\frac{2}{3} \times -4$$

$$y + 4 = -2 \times$$

$$\left(\frac{3}{2}\right)^{2} + 4 = \left(\frac{3}{2}\right)^{2} = \frac{3}{3} \times 3$$

$$\mathbb{R}: (-\infty, \infty)$$

$$y = (x - 3)^{2} - 2$$

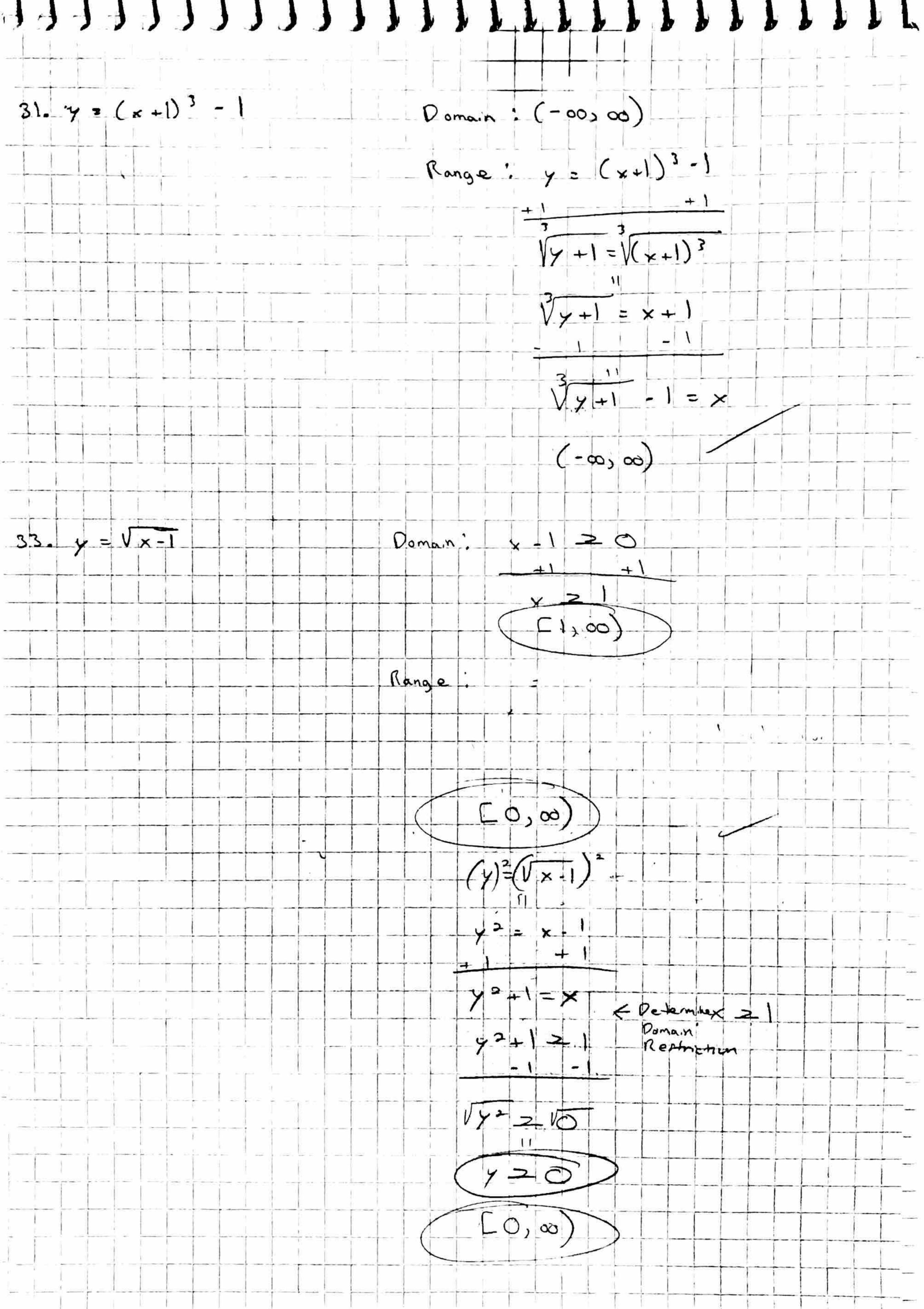
$$\frac{1}{2} = \sqrt{(x - 3)^{2}}$$

$$\sqrt{y + 2} = x - 3$$

$$+3 + 3$$

$$\sqrt{x + 2} + 3 = x$$

$$\sqrt{y - 2}$$

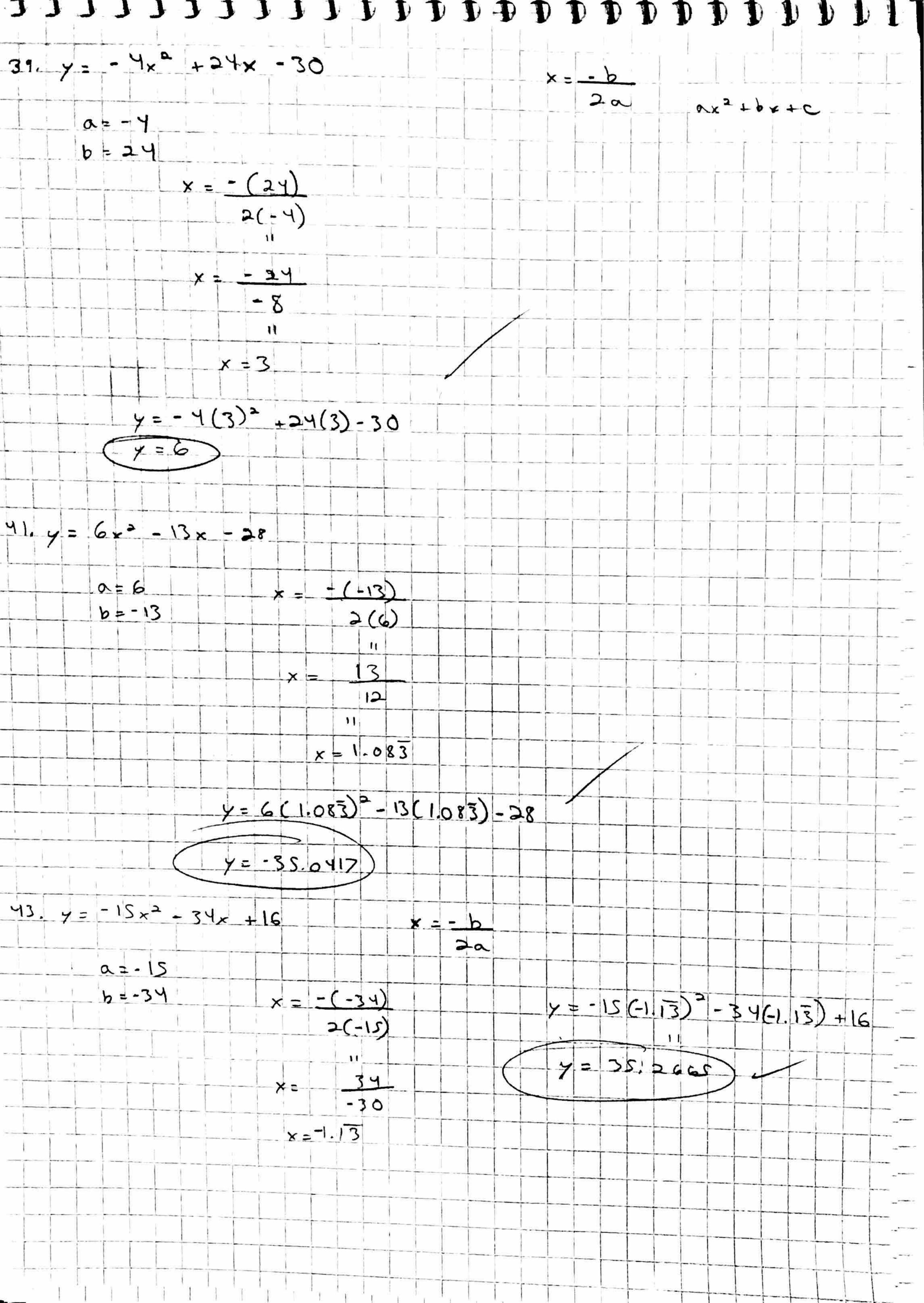


$$\mathbb{R}: (-\infty, 0) \cup (0, \infty)$$

$$y = x^2 + 5x + 6$$

and the second s

$$b = 5$$
 $x = \frac{-(s)}{2(l)}$



$$R'. y = 4 \times + 5$$

$$\frac{-5}{4} \times \frac{-5}{4} \times \frac{-5}{4}$$

$$\frac{\chi - \zeta}{\gamma} = \chi$$

$$(-\infty, \infty)$$

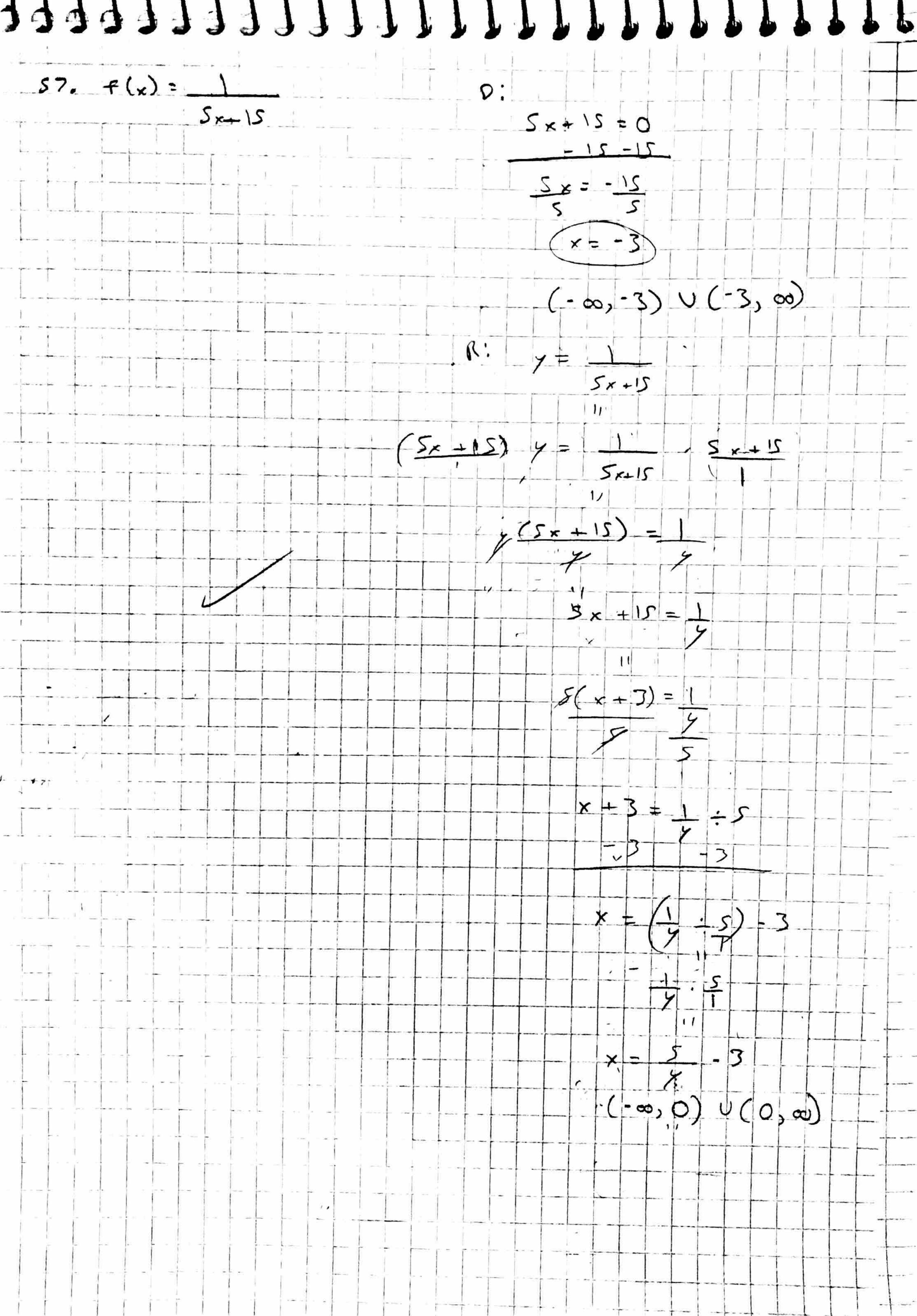
$$55. + (x) = -2x - 3$$

R:
$$y = -2x - 3$$
 $+3$

$$\frac{7+3}{-2} = \frac{2}{2}$$

$$\frac{4+3}{-2} = x$$

$$(-\infty, \infty)$$



$$59. \quad y = \frac{1}{6 \times -30}$$

0:
$$6 \times -30 = 0$$

 $6 \times -30 = 0$
 6×-30
 7×-30
 7×-30
 9×-30

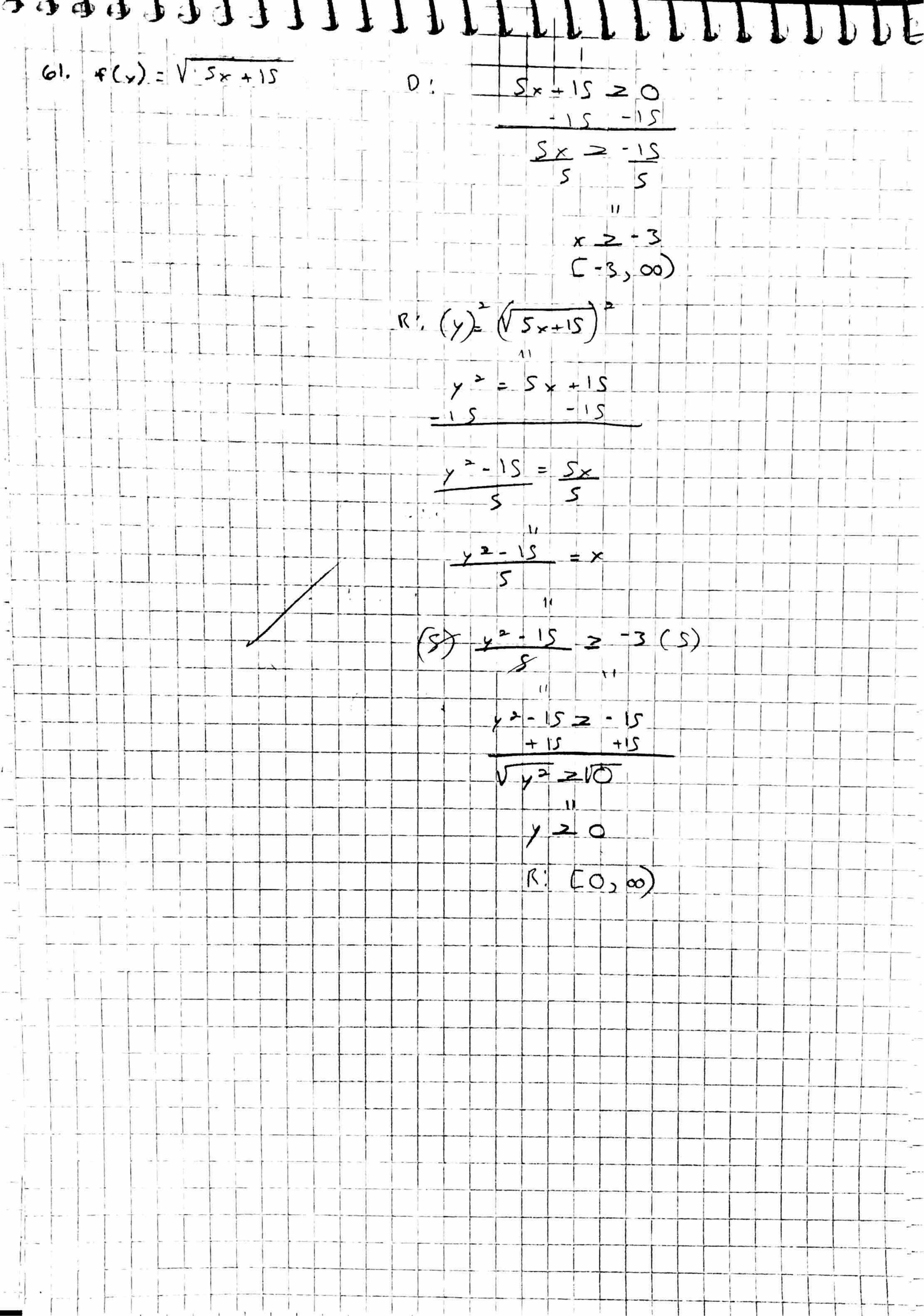
R:
$$(6x-30)y = \frac{1}{6x-30}$$

$$\frac{6\times -30}{5} = \frac{1}{5}$$

$$\frac{6(\times -5)}{5} = \frac{1}{5} \div 6$$

1.9

ii ii



63.
$$f(x) = \sqrt{6 \times -30}$$
 0: (-30.70)

0:
$$6 \times -30 \ge 0$$

$$\frac{-30}{6 \times 20}$$

$$\frac{6 \times 20}{6}$$

$$\times 25$$

$$[5, \infty)$$

$$R', (y)^2 = (\sqrt{6x-30})^2$$

$$y^2 = 6 \times -30$$
+ 30 + 30

$$\frac{y^{2}+30=6x}{6}$$

$$\frac{y^{2}+30}{6}=x$$

$$y^{2}+30=30$$
 $\sqrt{y^{2}-30}$
 $\sqrt{y^{2}-2}\sqrt{0}$

65.
$$f(x) = \frac{1}{\sqrt{5x+15}}$$

0: $5x+15>0$

15. -15

5. $x > -15$

5. $x > -3$

(3, ∞)

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(4. $5x+15 = \frac{1}{\sqrt{5x+15}}$

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$$69 \cdot f(w) = \sqrt{20x \cdot 4} \qquad 9 \cdot (-\infty, \infty)$$

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$$y^2 = 20x \cdot 4$$

$$y^2 = 4(5x \cdot 1)$$

$$y^2 = 5x \cdot 4$$

$$y^2 = 5x$$

$$y^2$$

and the contract of the contra

71.
$$f(x) = \sqrt{\frac{4}{4x + 8}}$$

(4x +8) \(\frac{4}{4} \)

D:
$$\frac{4 \times +8 \ge 0}{-8 - 8}$$

 $\frac{-8 - 8}{4 \times 2 - 8}$
 $\frac{4 \times 2 - 8}{4 \times 2 - 2}$
 $(-2, 8)$

R:
$$(y) = (\sqrt{4} + 8)^{4}$$

$$-y^{4} = \sqrt{4} + 8$$

$$-8 - 8$$

$$y^{4} - 8 = 4x$$

$$y^{4} - 8 = x$$

73.
$$f(x) = \frac{1}{\sqrt{20x - 4}}$$

10. $20x - 4 > 0$
 $20x - 4 > 0$