

1.54

1

$$\begin{cases} |x-1| + |y-5| = 1 \end{cases}$$

$$y = 5 + |x-1|$$

אם $x > 1$ אז $|x-1| = x-1$ ונצטרך $y = 5 + x - 1 = x + 4$

$$y - 5 + |y - 5| = 1$$

$$y - 5 - (y - 5) = 1$$

$$0 = 1$$

$$y - 5 + y - 5 = 1$$

$$2y = 11 \rightarrow y = 5.5$$

$$5.5 = 5 + |x-1|$$

$$x-1 = \frac{1}{2}$$

$$x = 1.5$$

$$(1.5, 5.5)$$

$$x-1 = -\frac{1}{2}$$

$$x = 0.5$$

$$(0.5, 5.5)$$

$$y \leq 5$$

$$y \geq 5$$