

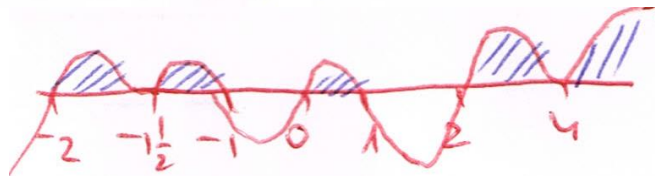
0.41
1

$$\textcircled{2} \frac{(2x+3)^4 (x^5 - 5x^3 + 4x)^3 |x-4|^3}{(x^2+x)^2} > 0$$

$$\frac{(2x+3)^4 [x^2(x^3 - 5x + 4)]^3 |x-4|^3}{[x(x+1)]^2} > 0$$

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

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



$$\begin{aligned} x &> 4 \\ 2 &< x < 4 \\ 0 &< x < 1 \\ -1\frac{1}{2} &< x < -1 \\ -2 &< x < -1\frac{1}{2} \end{aligned}$$

$$x+2|x-1| \leq 4$$

$$x+2(x-1) \leq 4$$

$$3x \leq 6$$

$$x \leq 2$$

יש להחזיר
 $x > 1$

$$\boxed{1 < x \leq 2}$$

$$x-2|x-1| \leq 4$$

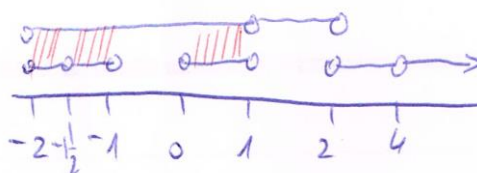
$$-x \leq 2$$

$$x \geq -2$$

יש להחזיר
 $x \leq 1$

$$\boxed{-2 \leq x \leq 1}$$

מחלק בין 2 תחומי המציאות



$$-2 < x < -1\frac{1}{2}, -1\frac{1}{2} < x < -1, 0 < x < 1$$