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$$\frac{1}{2x^{2}-8} + \frac{1}{2x-4} + \frac{5}{3x+6} = \frac{-6x+1}{2(x^{2}-4)} + \frac{1}{2(x-2)} + \frac{5}{3(x+2)} = \frac{-6x+1}{2(x^{2}-4)} + \frac{1}{2(x-2)} + \frac{5}{3(x+2)} = \frac{-6x+1}{2(x-2)} + \frac{1}{3(x+2)} = \frac{-6x+1}{2(x-2)} + \frac{1}{$$

$$= \frac{-18 \times +3 + 3(\times +2) + 10(\times -2)}{G(\times +2)(\times -2)} = \frac{-5 \times -11}{G(\times +2)(\times -2)}$$

$$\frac{-5x-M}{6(x+2)(x-2)} \angle \stackrel{\text{\tiny 6}}{=} 0 \times \pm \pm 2$$

$$-5x-11>0 \Leftrightarrow -11>5x \Leftrightarrow x \leftarrow -\frac{11}{5}$$

$$(y)$$

$$(x+2)(x-2) \leftarrow 0$$

$$|x \in J$$

$$\begin{array}{c|c}
-5 \times -11 & (0 \Leftrightarrow) & -11 & (5 \times \Leftrightarrow) \times > -\frac{11}{5} \\
\hline
(y) & (y) \\
\hline
(x+2) & (x-2) & (2) & (2) & (2) & (2) & (2) & (2) \\
\end{array}$$

Solvein firel

3.

a) 
$$|x^2-x-2| = |x-2|$$

b)  $\frac{|x^2-x-2|}{|x-2|} = 1$ 

b)  $|x^2-x-2| = 1$ 

c)  $|x^2-x-2| = 1$ 
 $|x-2| = 1$ 
 $|x-2| = 1$ 

c)  $|x+1| = 1$ 

[0,5-1 9 x

Pridad 
$$|f(-x)| = f(x)|$$
 par,  $\forall x \in A$   
 $|f(-x)| = -f(x)|$  impar,  $f(-x)| = -f(x)|$  impar,  $f(-x)| = -f(x)|$  impar,  $f(-$