

$$a) \frac{153}{87} = 1.33.$$

$$b) |x+3| < 2.$$

$$+ x+3 < 2$$

$$x < 2-3$$

$$x < -1$$

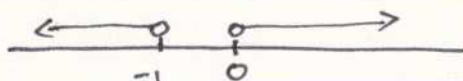
$$- (x+3) < 2.$$

$$-x+3 < 2$$

$$-x < 2-3$$

$$\frac{-x}{-1} < \frac{-1}{-1}$$

$$x > 0$$



$$c) x^2 - 2x - 8 = 0$$

$$(x + 2)$$

$$(x - 4)$$

$$(x+2) = 0 \quad (x-4) = 0$$

$$x = -2, \quad x = 4$$

(b) $3 + \frac{1}{x}$

(c) simplify

$$\frac{x}{x^2-4} + \frac{2}{x-2}$$

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$$x(x-2) + 2(x^2-4) = 0$$

$$x^2 - 2x + 2x^2 - 8 = 0$$

$$2x^2 - 2x - 8 = 0$$

$$\begin{array}{r} 2x \quad \quad + 4 \quad \quad -4 \\ \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad -4 \\ x \quad \quad \quad \quad + 2 \end{array}$$

(f)

$$\$979 \times \frac{10}{100}$$

$$97.9$$

$$979 - 97.9$$

$$= \$881.1$$