

$$1a. \begin{array}{r} 153 \\ \underline{87} \\ 153 \end{array}$$

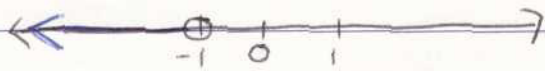
$$= \frac{153}{87} = 1.33$$

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

$$x < -1$$

$$|x+3| < 2$$

$$x < -1$$



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

$$ab = -8 \quad (x+4)(x-2)$$

$$a+b = 2 \quad x = -4, +2$$

$$a = 4$$

$$b = -2$$

$$d. y' = 3 + \frac{1}{x}$$

$$y = 3x + \ln x$$

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

$$\frac{x}{x^2-4} + \frac{2}{x-2} = \frac{\frac{1}{2}x}{x-2} + \frac{\frac{1}{2}x}{x+2} + \frac{2}{x-2}$$

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

$$f. \quad \underline{979} \div 11 = \text{original price}$$

$$\therefore \text{original price} = \$890$$

Used the way to figure out GST on a product to get answer.