

①

$$\frac{1}{2} \cdot \left(-\frac{4}{5}\right) + \left(3 - 4 \cdot \frac{1}{3} - 2\right)$$

$$\frac{\left(\frac{2}{1} + \frac{1}{3}\right) \cdot \left(-\frac{4}{5} + 1\right)}{\left(-\frac{5}{2}\right) + 3} =$$

$$\frac{\left[1 - 2 \cdot \left(1 + \frac{1}{4}\right)\right]}{-\frac{4}{10} + \left(\frac{9 \cdot 4 - 6}{3}\right)}$$

$$\frac{\frac{7}{3} \cdot \frac{1}{5}}{\frac{1}{2}} =$$

$$\frac{\left[1 - 2 \cdot \frac{5}{4}\right]}{\frac{1}{2}}$$

$$-\frac{4}{10} + \left(3 - \frac{4}{3} - 2\right)$$

$$\frac{\left(\frac{6+1}{3}\right) \cdot \left(\frac{-4+5}{5}\right)}{-\frac{5}{2} + \frac{6}{2}} =$$

$$\frac{\left[1 - 2 \cdot \left(\frac{4+1}{4}\right)\right]}{-\frac{2}{5} + \left(\frac{-1}{3}\right)}$$

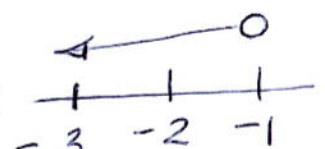
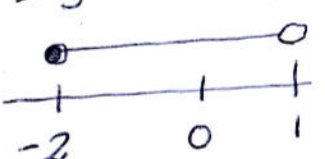


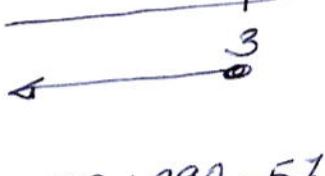
$$\frac{\frac{7}{15}}{\frac{7}{15}} = \frac{1}{2}$$

$$\frac{1 - \frac{10}{4}}{\frac{1}{2}} = \frac{4 - 10}{4}$$

cont...

$$\frac{\frac{-11}{15}}{\frac{7}{15}} = \frac{-165}{105} = \frac{-\frac{11}{7}}{-\frac{1}{3}} = \frac{33}{7}$$

$$\frac{\frac{1}{2}}{-\frac{6}{4}}$$

- ②
- a) $A = \{x \in \mathbb{R} \mid x < -1\}; (-\infty, -1);$ 
- b) $B = \{x \in \mathbb{R} \mid -2 \leq x < +1\}; [-2, 1);$ 
- c) $C = \{x \in \mathbb{R} \mid x \geq 2\}; [2, \infty);$ 
- d) $A = (-2, 6]; A = \{x \in \mathbb{R} \mid -2 < x \leq 6\};$ 
- e) $B = (-\infty, 3]; B = \{x \in \mathbb{R} \mid x \leq 3\};$ 

③ $3\overline{7} + 3\overline{2} - 0\overline{63} = \frac{37}{10} + \frac{29}{9} - \frac{57}{90} = \frac{333 + 290 - 57}{90} =$

$$3\overline{7} = \frac{37}{10}$$

$$3\overline{2} = \frac{32 - 3}{9} = \frac{29}{9}$$

$$0\overline{63} = \frac{63 - 6}{90} = \frac{57}{90}$$

$$\frac{37}{10} + \frac{29}{9} - \frac{57}{90} = \frac{566}{90} = \frac{283}{45}$$

$$0\overline{63} = \frac{63 - 6}{90} = \frac{57}{90}$$

c) Cant...

$$b) (0\overline{6} + 5\overline{4}) \div (4\overline{25} + 3\overline{6}) = \left(\frac{2}{3} + \frac{49}{9} \right) \div \left(\frac{17}{4} + \frac{11}{3} \right)$$

$$0\overline{6} = \frac{6}{9} = \frac{2}{3}$$

$$5\overline{4} = \frac{54-5}{9} = \frac{49}{9}$$

$$4\overline{25} = \frac{425}{100} = \frac{17}{4}$$

$$3\overline{6} = \frac{36-3}{9} = \frac{33}{9} = \frac{11}{3}$$

$$= \left(\frac{6+49}{9} \right) \div \left(\frac{51+44}{12} \right) =$$

$$= \frac{55}{9} \div \frac{95}{12} = \frac{660}{855} = \frac{132}{171}$$

$$= \frac{44}{57} //$$