

## Concectim & Minimo

exco 1

$$A = 1,2727\dots$$

$$100A = 127,27\dots$$

$$100A - A = 127 - 1$$

$$99A = 126$$

$$A = \frac{126}{99}$$

$$A = \frac{14}{11}$$

$$B = 15,765765\dots$$

$$1000B = 15765,765\dots$$

$$1000B - B = 15765 - 15$$

$$999B = 15750$$

$$B = \frac{15750}{999}$$

$$B = \frac{1750}{111}$$

exco 2

cf & couris

exco 3

1.

a.  $|2x-3|=9$

Sant  $2x-3=9$

$$2x = 12$$

$$\underline{x=6}$$

Sant  $2x-3=-9$

$$2x = -6$$

$$\underline{x=-3}$$

b.  $|x-1|=|3-x|$

Sant  $x-1=3-x$

$$2x = 4$$

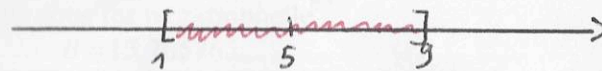
$$\underline{x=2}$$

Sant  $x-1=-3+x$

$$-1 = -3 \text{ impossible}$$

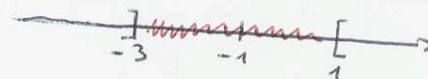
2

a.



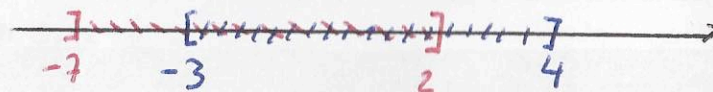
$$x \in [1; 9]$$

b.



$$x \in ]-3; 1]$$

exco 4



$$I \cup J = ]-7; 4]$$

$$I \cap J = ]-3; 2]$$

exco 5

1.  $A = \sqrt{25 \times 2} - 5\sqrt{9 \times 2} + 7\sqrt{49 \times 2}$

$$A = \sqrt{5^2 \times 2} - 5\sqrt{3^2 \times 2} + 7\sqrt{7^2 \times 2}$$

$$A = 5\sqrt{2} - 5 \times 3\sqrt{2} + 7 \times 7\sqrt{2}$$

$$A = 5\sqrt{2} - 15\sqrt{2} + 49\sqrt{2}$$

$$A = 39\sqrt{2}$$

2a.  $(\sqrt{3} - \sqrt{2})^2 = (\sqrt{3})^2 - 2\sqrt{3} \times \sqrt{2} + (\sqrt{2})^2$   
 $= 3 - 2\sqrt{6} + 2$   
 $= 5 - 2\sqrt{6}$

b.  $\sqrt{(\sqrt{3} + \sqrt{2})^2 - 4\sqrt{6}} = \sqrt{5 + 2\sqrt{6} - 4\sqrt{6}} = \sqrt{3} - \sqrt{2}$   
 $= \sqrt{5 - 2\sqrt{6}}$   
 $= \sqrt{(\sqrt{3} - \sqrt{2})^2}$

	N	Z	D	Q	R
$\frac{121}{11}$	X				
$5 \times 10^{-3}$			X		
$\frac{123}{5}$			X		
$-\sqrt{169}$		X			
$\frac{17}{7}$				X	
$\sqrt{0,81}$			X		

Conversion & Rounding

Handwritten notes on conversion and rounding, including various mathematical expressions and diagrams.

Handwritten notes at the top of the left page, possibly related to the table above.

Handwritten mathematical derivations on the left page, including several equations and algebraic steps.

Handwritten mathematical derivations on the right page, including several equations and algebraic steps.