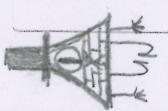


**TMC**

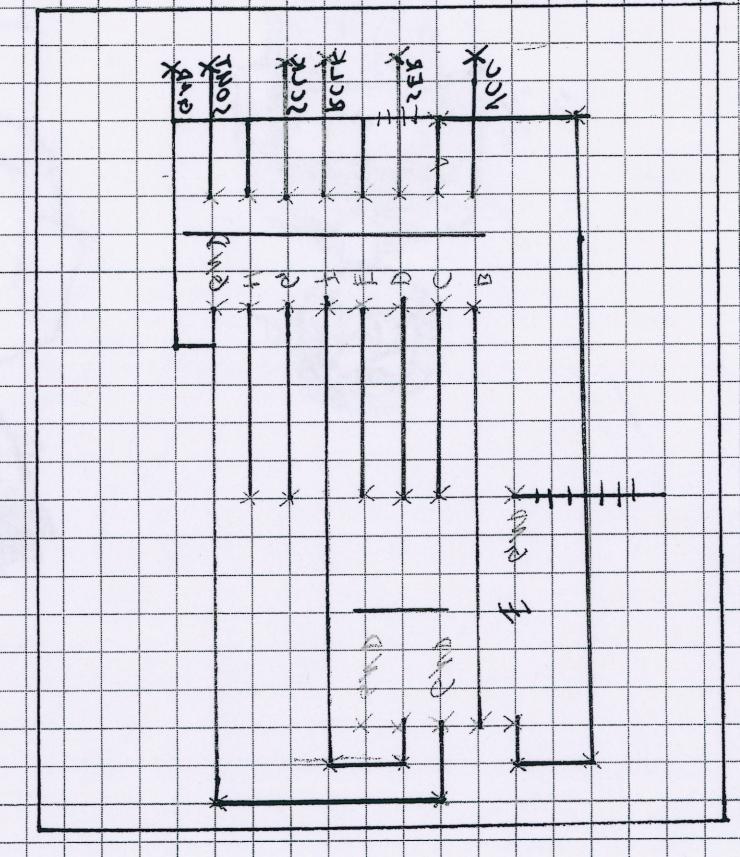
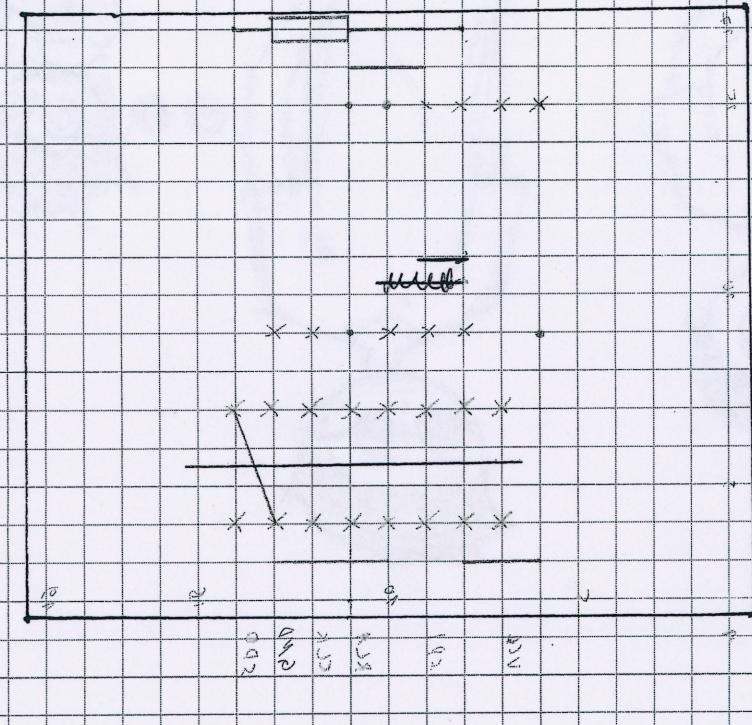
PEOPLE // DRIVE // TECHNOLOGY  
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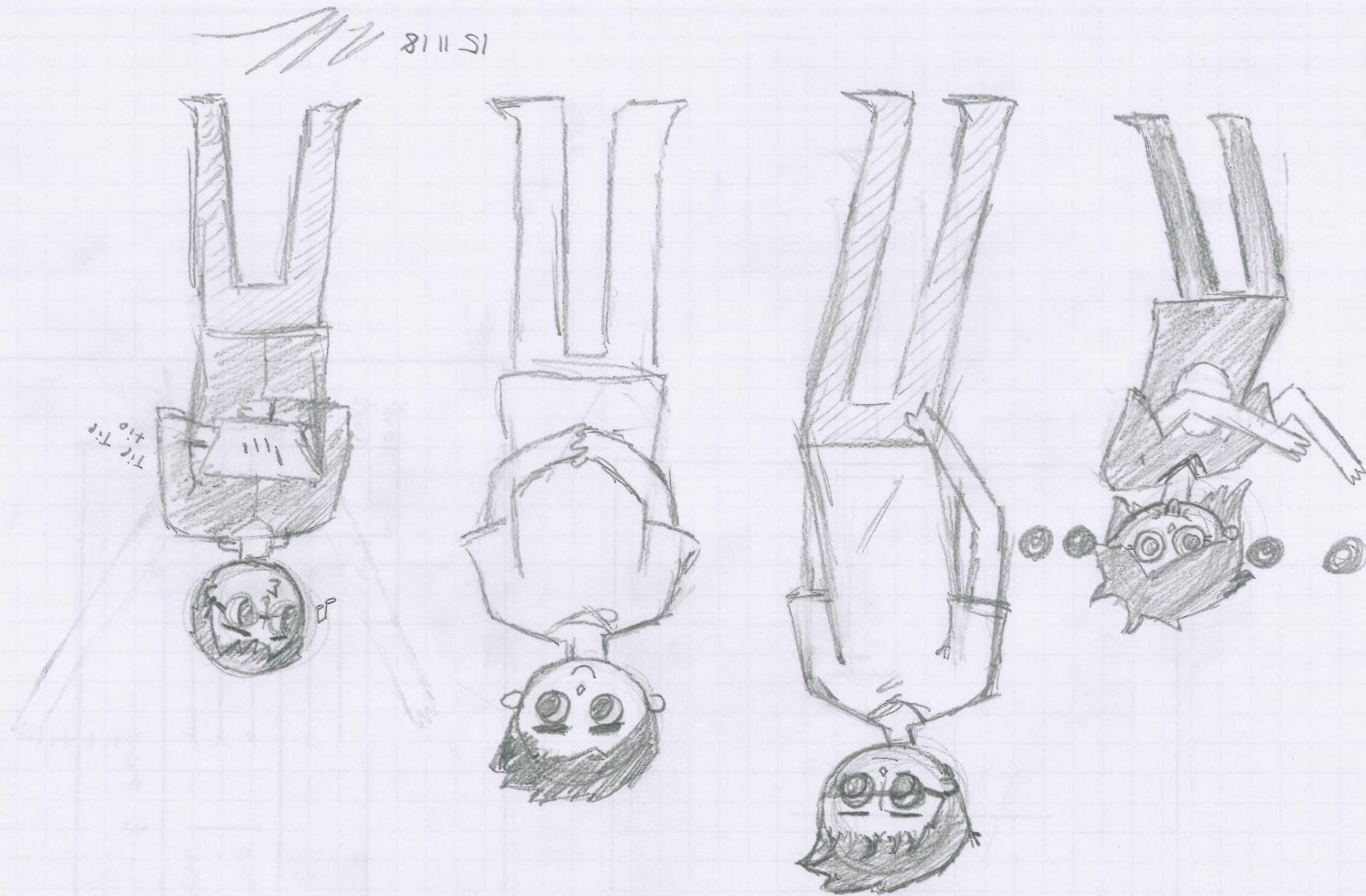


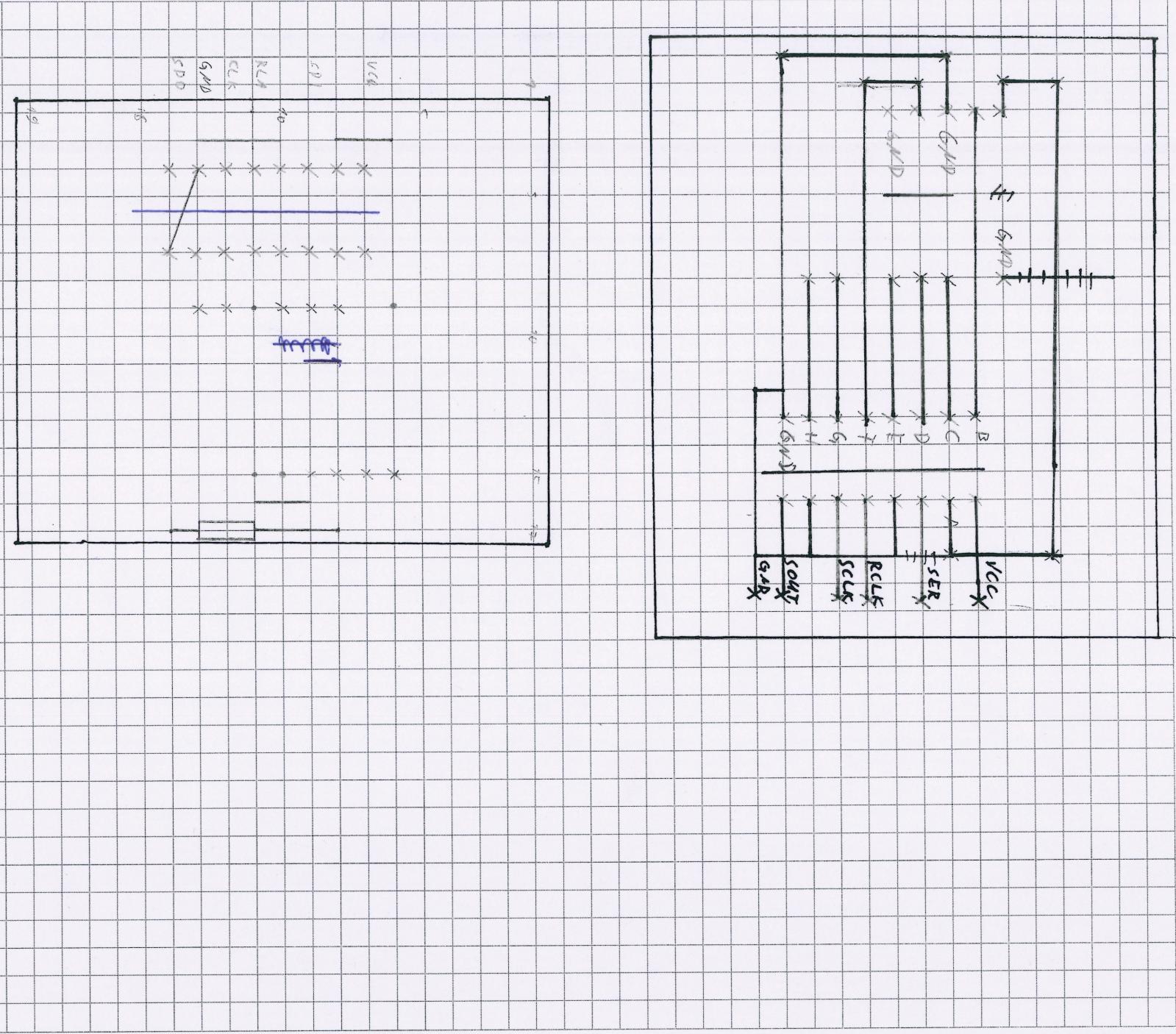
... 54-51















# PEOPLE // DRIVE // TECHNOLOGY

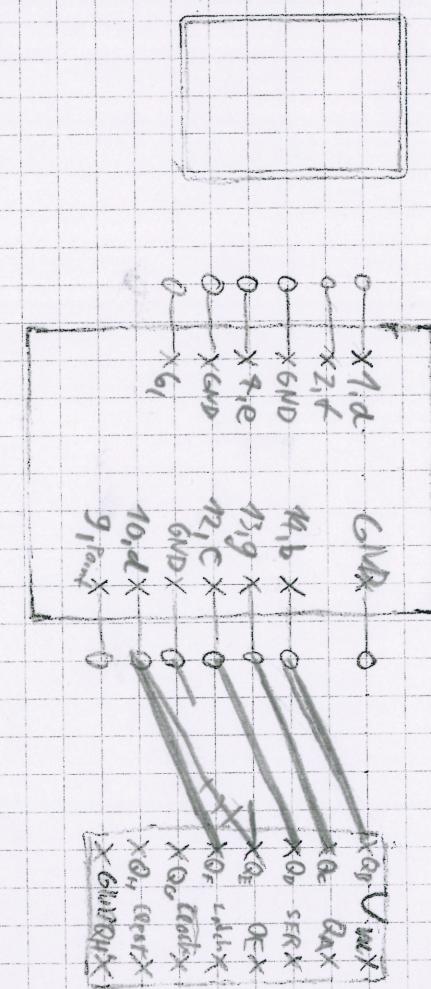
WWW.TMCPORCH.COM

10

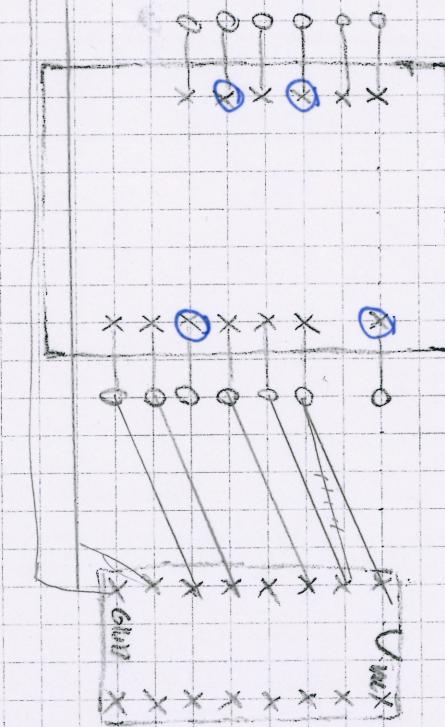
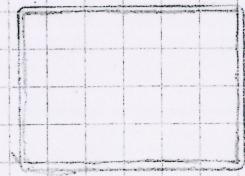
Volg ons op Twitter voor CV tips en de nieuwste vacatures  
[Twitter.com/EersteWerkgever](http://Twitter.com/EersteWerkgever)

Datum:





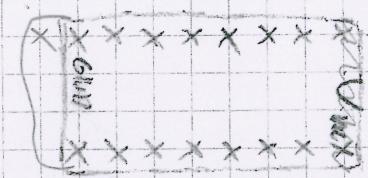
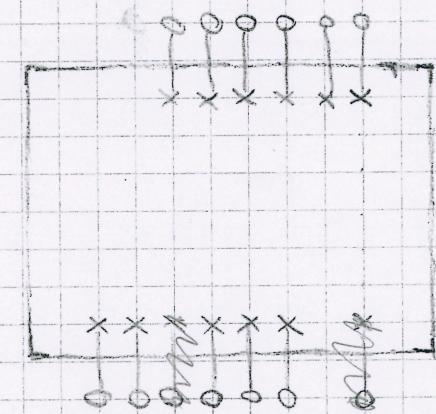
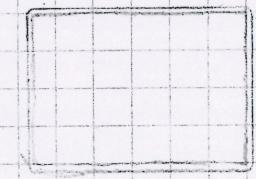




7509 - 010

7.500







# VIGILANCE



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228

$$x \cdot 0,2 = 1600 : 0,2 = 8000,00 , 1527$$

~~63~~

$$\frac{14}{20}$$

$$\frac{14}{60}$$

56

$$\frac{40}{38}$$

78

$$\sqrt{21^2} = 27$$

72

5.9

$$\frac{6}{77} : \frac{4}{4} = \frac{24}{44} \cdot \frac{44}{50} = 17.250 \cdot 0,05$$

00

7272737415167278

79

0

550,50

27

27

20

11

$$\frac{5}{77} : \frac{3}{4} = \frac{20}{44} \cdot \frac{33}{44} = \frac{3}{30} = \underline{\underline{0,10}}$$

00

7272737415167278

79

0

550,50

27

27

20

11

$$\frac{24}{44} : \frac{20}{33} = \frac{1,9}{562,50} = \underline{\underline{0,035}}$$

00

7272737415167278

79

0

562,50

27

27

20

11

$$50 \text{ km} \rightarrow \frac{\text{m}}{5}$$

00

7272737415167278

79

0

562,50

27

27

20

11

111111

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111111

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$$\frac{50.000 \text{ m}}{3600} = \underline{\underline{13,8}}$$

00

7272737415167278

79

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562,50

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$$\frac{50.000 \text{ m}}{3600} = \underline{\underline{13,8}}$$

00

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562,50

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$$\frac{149,14,19}{5,5,9} = \underline{\underline{29,9}}$$

00

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562,50

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$$72 \cdot 24 + 288 = 1800$$

$$11 = \sum_{k=1}^{27} k$$

$$140 - k = 27$$

$$(1 \cdot 2^{10})^2 + 1 \cdot 2^{10} = 40 \cdot \frac{1 \cdot 2^{10}}{2} = 40 \cdot 2^{10}$$

$$\frac{1}{231}$$

$$462$$

$$\frac{27 \cdot 22}{420}$$

$$\sum_{i=1}^{24} \frac{i \cdot 2^{10}}{2} = \frac{n^2 + n}{2} = \frac{20^2 + 20}{2} = 210$$

$$\frac{462 + 662}{420}$$

~~OK~~

$$\frac{24 \cdot 24}{2} = 288$$

$$480$$

$$420$$

$$400$$

$$24 \cdot 24$$

$$\begin{array}{r} 526 : 2 = 263 \\ 496 + 24 \quad 210 \\ \hline 480 \end{array}$$

$$\begin{array}{r} 288 \cdot 270 \\ 57600 \\ \hline 60480 \end{array}$$

$$576$$

$$\begin{array}{r} 300 \cdot 210 \\ 60000 \\ \hline 63000 \end{array}$$

$$600$$

$$24$$

$$\frac{76}{76}$$

$$\frac{1}{x} : \frac{1}{x+R} = \frac{1}{x} \cdot \frac{x+R}{1} = \frac{1}{R} = 1 \quad (1 - 1)$$

$$\frac{1 \cdot (x+R)}{x} = 1$$

$$\frac{1}{x} = \frac{1}{x+R} \quad \cancel{\text{Multiplication}} \quad | \cdot (x+R)$$

$$\frac{\left( \frac{1}{x+R} \right) \left( x+R \right)}{\left( \frac{1}{x+R} \right)} = 1 \quad | \cdot \left( \frac{1}{x+R} \right)$$

$$x = \frac{y}{x} = y \cdot x = \frac{x}{x+R}$$

~~$$\frac{1}{R_1} + \frac{1}{R_2} = \frac{R_1 + R_2}{R_1 \cdot R_2}$$~~

$$\frac{1}{R_1} + \frac{1}{R_2} = \frac{R_1 + R_2}{R_1 \cdot R_2}$$

$$x = -17$$

$$x+8 = -3 \quad | -8$$

$$-5$$

$$x = -10$$

$$14 + 81 = 148 - 8 \quad x+3 = -7, -3$$

$$x = -85$$

$$4$$

$$\sqrt{8x-5} = 6 - \sqrt{3+x}$$

$$\sqrt{8x-5} = 6$$

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$$\sqrt{9+x-5} = 4 - \sqrt{3+x}$$

$$9x-5 = 0 \quad |+5$$

$$9x = 5 \quad |:9$$

$$x = \frac{5}{9}$$

$$9x-5 = (4 - \sqrt{3+x})^2$$

$$9x-5 = 16 - 2 \cdot 4 \cdot \sqrt{3+x} + (3+x)$$

$$9x = 24 - 8 \cdot \sqrt{3+x} - 3x$$

$$8x - 24 = 8 \cdot \sqrt{3+x} \quad | :8$$

$$x - 3 = \sqrt{3+x} \quad |(x)$$

$$(x-3)^2 = 3+x$$

$$x^2 - 2 \cdot x \cdot 3 + 9 = 3+x$$

$$x^2 - 6x + 9 = 3+x \quad | -3 \quad | -x$$

$$x^2 - 5x + 6 = 0$$

$$p = -5 \quad q = 6$$

$$x_{1,2} = -\frac{-5}{2} \pm \sqrt{\frac{25}{4} - 6} \quad |^2 - 10 + 6$$

$$x_{1,2} = -\frac{-5}{2} \pm \sqrt{\frac{25}{4} - 6} \quad |^2 - 5 \cdot 3 + 6 = 0$$

$$x_{1,2} = 2,5 \pm \sqrt{\frac{25}{4} - 6} \quad |^2 - 25 + 6 = 0$$

$$x_{1,2} = 2,5 \pm \sqrt{\frac{25}{4} - 6} \quad |^2 - 25 + 6 = 0$$

$$x_{1,2} = 2,5 \pm 0,5$$

11

$$a + 10c = 24 + 8c$$

$$2\varrho - q_c = -q$$

$$\begin{aligned} -5a + 3b + 3c &= 0 \\ a - 8b + 7c &= 19 \\ 0 + 2b - 4c &= -4 \end{aligned}$$

$$x_{12} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = h - 20$$

$$56 \leq 53 + 2 = 0$$

$$0 = 1 - 4 + 6 - 8 + \dots$$

i-v

S'Z + S'

11

$$64 \quad 0.4 \quad g = 1$$

$$= -4 - 2 + 0$$

y = h = 2

1 -8 10 19

2 - 2 - 6

L - 7

$$2,5 = \sqrt{12,25 - 2c}$$

$$x - 8a + 10c = \gamma y$$

$$6,25 = 12,25 - 2c \quad | + 2c \quad | - 6,25$$

$$v = c_0 = -\infty$$

2 6

$$Q = -4$$

$$x = (y - b) + a$$

$$x + 32 - 10 = 2y$$

$\alpha = -3$

$$x_{1,2} = 2, 1$$

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$v$

$s$

$$v + s = 66 \quad v + s = 66 \quad | -s$$

$$v - 8 = (s - 8) + 4 \quad | +v$$

$$-v + ((s - 8) + 4) = 0 \quad | \cancel{-v}$$

~~$\cancel{+s}$~~

$$-v + ((s - 8) + 4) = -8 \quad | \cancel{-v} = 4 \cdot (s - 8)$$

$$v - ((s - 8) + 4) = 8 \quad | \cancel{+v} \quad v - 8 = 4 \cdot (s - 8)$$

$$(66 - s) - ((s - 8) + 4) = 8 \quad | +s \quad v - 8 = 4s - 32 \quad | +8$$

$$66 - s - (4s - 32) = 8 \quad | +s \quad v = 4s - 24$$

$$66 - 5s - 32 \quad | -s \quad 34 - 5s = 8 \quad | +5s \quad 1 + 5s - 8$$

$$26 = 5s \quad | :5 \quad 26 = 5s \quad | :5 \quad v + s = 66$$

$$5,2 \quad | \cancel{\times 2} \quad (4s - 24) + s = 66 \quad | +24$$

$$a + e = l + s \quad | -l \quad 34 + s = 66 \quad | :5$$

$$\rightarrow 3 + a = 10 - l \quad | +3 \quad s = 90 \quad | :5$$

$$a = 13 - l \quad | \cancel{-l} \quad s = 18$$

$$13 - l + 4 = l + s \quad | +l - 5 \quad v + s = 66$$

$$17 = 2l \quad | :2 \quad v + 18 = 66 \quad | - 18$$

$$l = 8 \quad | \cancel{\times 2} \quad v = 48$$

$$a = 13 - l \quad | \cancel{-l} \quad a = 13 - 8$$

$$a = 5 \quad | \cancel{\times 2} \quad a = 2$$

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$$2(7+2x) = 2+6 \cdot (5+4x)$$

$$2+4x = 2+30+24x \quad | -24x \quad | -2$$

$$-20x = 30 \quad | :20$$

$$x = -1,5$$

$$2x+4x+26 = 2+4x$$

$$6x+76 = 2+4x \quad | -2 \quad | -6$$

$$14 = -2x \quad | : -2 \quad \frac{1}{2} + \frac{2}{49x} = \frac{9}{98x} + \frac{2}{49}$$

$$-7 = x$$

$$\frac{10}{24}$$

$$14x + \frac{49x^2}{24} + \frac{98x}{9} = 24,5$$

$$14x + 24,5x + 9,8x = 24,5$$

$$\frac{7}{x+4} = \frac{3}{x-5} \quad | \cdot x+4 \quad \cancel{x+4}$$

$$38, \frac{7}{9}x + 9,8x = 24,5$$

$$\frac{x+4}{x+4} = \frac{3x+4}{x-5} \quad | \cdot x-5$$

$$\cancel{x+4} \quad \cancel{x-5}$$

$$\frac{(x+4) \cdot (x-5)}{x+4} = \frac{(3x+4) \cdot (x-5)}{x-5}$$

$$\cancel{x+4} \quad \cancel{x-5} \quad \frac{9}{78} + \frac{20}{78} = \frac{25}{78}$$

$$x-5 = 3x+12 \quad | +5 \quad | -3x \quad | -4 \quad 8x + \frac{2}{78}x = 24,5$$

$$-2x = 12 \quad | : -2 \quad \frac{864}{78} + \frac{-827}{78}x = \frac{4470}{78}$$

$$x = -1,5$$

$$877x = 447,5$$

$$x = -1$$

$$x = 5$$

$$20 = 4x \quad | : 4$$

$$x - 2 = 3x + 5 \quad | -x$$

$$\frac{x}{20} = \frac{x}{4} \quad | \cdot 4$$

$$7x + 4 = -9 + 4x \quad | -4x$$

$$\frac{3x}{28} + \frac{4x}{28} = -\frac{9}{28} + \frac{4}{28}$$

$$6g = 6g \quad | : 6$$

$$= -27, \frac{2}{9}x + 4g \quad | + 27, \frac{2}{9}x$$

$$28x + 4g = -\frac{96x}{9} + 4g \quad | \cdot 2$$

$$56x + \frac{8g}{2} = -\frac{192x}{9} + \frac{8g}{2} \quad | \cdot 2$$

$$\frac{7}{4}x + \frac{2}{9}g = -\frac{9}{98}x + \frac{2}{49} \quad | \cdot 98$$

$$\left(\frac{c}{2x} - \frac{x^2}{c}\right)^2 = \left(\frac{c}{2x}\right)^2 - 2 \cdot \frac{c}{2x} \cdot \frac{x^2}{c} + \left(\frac{x^2}{c}\right)^2$$

$$= \frac{c^2}{4x^2} - \frac{\cancel{4cx^2}}{2x\cancel{c^2}} + \frac{x^4}{c^2}$$

$$\frac{x^2}{c^2}$$

$$= \left(\frac{c^2}{4x^2} - \frac{x}{\cancel{a^2}}\right) + \frac{x}{\cancel{c^2}}$$

$$= \frac{c^4 - 4x^3}{4x^2 c^2} + \frac{x}{\cancel{c^2}}$$

$$= c^8 - 4x^3 c^4 + 4x^3$$

$$\frac{4x^2 c^6 (c^4) (4x^2)}{(c^4)^2 - 2 \cdot 2x^3 c^4 + \cancel{4x^2}}$$

$$= t(2x^3)^2 - (2x^3)^2 + 4x$$

$$\frac{4x^2 c^6}{(c^4 - 2x^3)^2 - 4x^6 + 4x^3}$$

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$$(-q)^2 + 4 \cdot q = 0 \quad p = 7 \quad q = -8$$

$$p = 4 \quad q = 0 \quad x_{1,2} = -\frac{p}{2} \pm \sqrt{\frac{p^2}{4} - q^2}$$

$$x_{1,2} = -\frac{4}{2} \pm \sqrt{\frac{4}{4}}$$

$$x_{1,2} = -2 \pm \sqrt{7}$$

$$x_{1,2} = -7, -3 \quad x_{1,2} = -3,5 \pm \sqrt{20,25}$$

$$p = 2 \quad q = 5 \quad x_{1,2} = -8, 1$$

$$x_{1,2} = -1 \pm \sqrt{\frac{25}{4} - 5}$$

$$x_{1,2} = -1 \pm \sqrt{-2,5}$$

~~0 - y~~

~~x ->~~

$$x^2 + bx + c = 0 \quad 1 - 4 \quad \left( \frac{b}{2x} - \frac{x^2}{2x} \right)^2$$

$$x^2 + bx + c = -4 \quad \left( \frac{b}{2x} \right)^2 + 2 \cdot \left( \frac{c}{2x} \right) \cdot \left( \frac{x^2}{2x} \right) + \left( \frac{x^2}{2x} \right)^2$$

$$\left( x + \frac{b}{2} \right)^2 = -4 \quad \cancel{+ 4 = 0}$$

$$x + \frac{b}{2} = 0 \quad x = -\frac{b}{2} \quad 1 \cdot 2 \\ 2x = -b$$

$$p = 0 \quad q = 4$$

$$x_{1,2} = -\frac{b}{2} \pm \sqrt{\frac{b^2}{4} - 4}$$

$$x_{1,2} = -2,08 \pm \sqrt{\frac{b^2}{4} + \frac{x^4}{2^2} + \frac{x^4}{2^4}}$$

$$40,6 : 2 = 20,3,8$$

$$\frac{4}{40} \\ \frac{35}{35} \\ \frac{56}{56}$$

$$-5,8 \cdot g - 4,4 \cdot g$$

$$30,8 : 2 = 15,4$$

$$\frac{0}{30} \\ \frac{28}{28}$$

$$\frac{28}{49} w$$

$$a \cdot x - l \cdot y + e \cdot y - b \cdot x$$

$$2 \cdot v \cdot v \cdot s \cdot g \cdot s \\ ax - \overline{ly} + \overline{ey} - \overline{bx}$$

$$10^x = 500$$

$$\frac{8 \alpha^3 d^3 + 724 \alpha d}{52 \alpha d + 44 \alpha^3 d^6}$$

$$2^3 \\ 2 \cdot 2 \cdot 2 \\ 2 \cdot 2 \cdot 2 \cdot 2 \\ ax - bx - gy \cdot (b+a)$$

$$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \\ x \cdot (a-b) - y \cdot (a+b)$$

$$210,8 \cdot 0,25 \\ ax - bx - gy + ga$$

$$\frac{8}{44} \cdot \frac{2}{27}$$

$$909g^5h^6 + 165g^3h^6 + 198gh^6h^3$$

$$(99g^2h^3 + 165h^3 + 198g^3)gh^3 \\ \frac{36}{73} ad + \frac{2}{77} \cancel{\frac{a^3d^3}{a^2d^2}}$$

$$((99g^2 + 165)h^3 + 198g^3) \\ \geq \cancel{\frac{10}{73}} ad + a^3d^3 \cdot \cancel{\left(\frac{2}{77a^2d^2}\right)}$$

$$\frac{124}{52} \quad \frac{22}{26} \quad \frac{36}{73}$$

$$\frac{36}{160} : 73 = 4,$$

7

$$2 \cdot \frac{7}{8}$$

$$124 \quad \frac{22}{26} \quad \frac{36}{73} \\ \frac{62}{26} \quad \frac{37}{73}$$

get 24



## VI<sup>G</sup>ILANCE

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$$\begin{array}{r} 0, 1, 2, 3, 4, 5, 6, 7 \\ \times 1, 4, 9, 16, 25, 36, 49 \\ \hline 0, 7, 2, 3, 4, 5, 6, 7 \\ + 1x - 4y - 6x + 3x + (5x + 3y) \\ \hline 7x - 6x + 3x + 5x \\ \hline 7x \end{array}$$

$$\begin{array}{r} -3 \\ -18 \\ -75 \end{array} \quad \begin{array}{r} -2 \\ -12 \\ -6 \end{array} \quad \begin{array}{r} -1 \\ -6 \\ -3 \end{array} \quad \begin{array}{r} 0 \\ 0 \\ -6 \end{array} \quad \begin{array}{r} 1 \\ 6 \\ 9 \end{array} \quad \begin{array}{r} 2 \\ 12 \\ 15 \end{array} \quad \begin{array}{r} 3 \\ 12 \\ 15 \end{array}$$

202-0202-020 total

$$\frac{1}{2} \cdot \frac{2}{3} \cdot \frac{3}{4} \cdot \frac{4}{5} \cdot \dots \cdot \frac{n}{n+1} = \frac{1}{n+1}$$

$$\cancel{2^6} = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \quad \left(\frac{1}{2}\right) : \left(\frac{1}{2}\right) = 1$$

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

$$x - 5(x - 6(x - 7(x + 2.8)))$$

$$\begin{aligned} & \cancel{x + 5 - 3x + 5 - 6 - 7 - 8} \\ & x - 5 - 3x + 5 - 6 - 7 - 8 \\ & - 784x + 38 - 56 \\ & = 7x + 78 \end{aligned}$$

$$\begin{array}{r} \underline{5 \cdot 39} \\ - 130 \\ \hline 189 \end{array}$$

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$$1 \cdot 2 \cdot 3 \cdot 4 \cdot 5 \cdot 6 \cdot 7 \cdot 8$$

~~56~~

$$1+7+2+7+3+7+4+7+5+7+6+7+7+7+8$$

$$2 \cdot 3 \cdot 4 \cdot 5 \cdot 6 \cdot 7 \cdot 8 \cdot 9$$

$$24 \cdot 5 \cdot 6 \cdot 7 \cdot 8$$

~~91~~

$$24 \cdot 30 \cdot 56$$

$$\frac{24 \cdot 30}{720}$$

$$\frac{1}{a \cdot a \cdot a} = \frac{-1}{a^2 \cdot -a}$$

$$\frac{720 \cdot 56}{36000}$$

$$4320$$

$$\frac{40320 \cdot 9}{362880}$$

$$12\sqrt{x^4} - (\sqrt{4x}) - \sqrt{x}$$

$$11\sqrt{x} = \sqrt{4x}$$

$$11\sqrt{x} = \sqrt{4} \cdot \sqrt{x}$$

$$11\sqrt{x} = 2\sqrt{x}$$

$$(a+b)^2 = a^2 + 2ab + b^2$$

$$(-2x - 9)^2 = 4x^2 + 2 \cdot -2x \cdot 9 - 81$$

$$64$$

$$32$$

$$4x^2 - 36x - 87$$

$$96$$

$$(a+b)^2 = (-2x)^2 + 2 \cdot (-2x) \cdot (-9) + (-9)^2$$

$$-2x - 9 = 4x^2 + (-4x) \cdot (-9) + 81$$

$$4x^2 + 36x + 81$$

$$(a+8b+6c)^2 = a^2 + 2 \cdot a \cdot (8b+6c) + (8b+6c)^2$$

$$(8b)^2 + 2 \cdot 8b \cdot 6c + (6c)^2$$

$$a^2 + 2ab + 2ac + 72ac + 64b^2 + 96bc + 36c^2$$

$$(a+b) \cdot (a-b) = a^2 - b^2$$

$$(-2x+3y) \cdot (-2x-3y) = (-2x)^2 - (3y)^2 \\ = 4x^2 - 9y^2$$

$$2 \cdot -0,3x \cdot xy = -0,24xy \quad | : 2$$

~~$$-0,3 \cdot x = -0,72 \quad | : -0,3$$~~
$$x = 0,9$$

$$(-0,3a + 0,4b) = (-0,3a)^2 + 2 \cdot (-0,3a) \cdot (0,4b) + (0,4b)^2 \\ = 0,09a^2 + -0,6a \cdot 0,4b + 0,16b^2$$

$$x^2 - 16 = x^2 + 0 \cdot x - 16 \quad x^2 + 0 \cdot x + 0 = 0 \\ p = 0 \quad q = -16 \quad p = 0 \quad q = 0$$

$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\frac{p}{4} - q} \quad x_{1,2} = -\frac{0}{2} \pm \sqrt{\frac{0}{4} - 0} \\ x_{1,2} = -\frac{0}{2} \pm \sqrt{\frac{0}{4} + 16} \quad x_{1,2} = -\frac{0}{2} \pm \frac{\sqrt{16}}{2} \\ x_{1,2} = 0 \pm \sqrt{16} \quad x_{1,2} = -\frac{0}{2} \pm \frac{\sqrt{16}}{2} = \frac{\sqrt{16}-0}{2} \\ x_{1,2} = \pm 4 \quad x_{1,2} = \frac{-\sqrt{16}-0}{2}$$

$$3 \cdot (x+5) \cdot (x+2)$$

$$\textcircled{2} \quad x^2 - 2x + 5x - 20 \\ 3x^2 - 6x + 15x - 30 \quad \boxed{3x^2 + 9x - 30} \\ \underline{x^2 + 2x + 5x + 10} \quad \underline{\cancel{x^2 + 2x + 5x + 10}}$$

$$p = 1 \quad q = -6$$

$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\frac{p}{4} - q} \\ -\frac{1}{2} \pm \sqrt{\frac{1}{4} + 6} \quad (x-2) \cdot (x+3) = x^2 + bx - 6 \\ \cancel{-\frac{3}{2} \pm \sqrt{\frac{3}{4} + 10}}$$

$$\cancel{\frac{3}{2} \pm \sqrt{\frac{3}{4} + 10}} \quad p = 3 \quad d = -10x^2 + 13x - 10$$

# ADVANCE

$$\begin{array}{r} 6,746,100 \\ - 5,139,193 \\ \hline 1,604,907 \end{array}$$

$$\begin{array}{r} 6,746,100 \\ - 5,139,193 \\ \hline 1,604,907 \end{array}$$

$$10x - 46 \leq 4x - 22 \quad | -4x + 46$$

$$6x \geq 24 \quad | :6$$

$$3x - 30 < 2 - 5x \quad | +5x + 30$$

$$8x < 32 \quad | :8$$

$$x < 4 \quad | \times$$

$$2 < x$$

$$1. - 7 \\ - 2 \\ \hline - 8$$

$$1 > 2 - x$$

$$2 < x < 4$$

$$-x > 2 - 3$$

$$x < 4 - x$$

$$1 \rightarrow (x - x) -$$

$$1 -$$

$$1 + 3 < 1 + 3 \times 4$$

$$1 + 12 < 1 + 12$$

$$13 < 13$$

$$0 = 0$$

2018 2019 2020 2021 2022 2023 2024

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$$ax^2 + bx + c = 0$$

$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x_{1,2} = 5, 2$$

$$\mathcal{C} = -72 \quad n = 1 \quad e = 37,75$$

$$x_{1,2} = \frac{-72 \pm \sqrt{72^2 - 400}}{2}$$

2

$$x_{1,2} = \frac{+72 + \sqrt{72^2 - 4 \cdot 37,75}}{2} = \frac{14,70}{2} = 5,7$$

$$j + f = 48 \quad | \quad j = 48 - f \quad \cancel{j} = 2f$$

$$j \cdot 0,7 + f \cdot 0,9 = 39,80$$

$$(48 - f) \cdot 0,7 + f \cdot 0,9 = 39,80$$
  
~~$$2 \cancel{f} + 0,95 + 0,9 \cdot (3,5) = 30,6$$~~

$$33,6 - 0,7f + f \cdot 0,9 = 39,8 \quad |$$

$$33,6 + 0,2f = 39,8 \quad | -33,6$$
  
~~$$0,2f = 6,2 \quad | :2$$~~

$$f = 31,0$$

$$\cancel{j} + 0,9f = 30,6$$

$$j = 48 - f$$

$$j = 48 - 31$$

$$j = 17$$

$$0,4 \cdot (2f) + 0,9f = 30,6$$
  
~~$$0,8f + 0,9f = 30,6$$~~

$$1,7f = 30,6 \quad | :1,7$$

$$f = 18$$

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$$4x^2z + 16xy^2 + 16y^2z$$

$$4x^2 + 8xy$$

$$(x+2y)^2 \cdot x^2 + 2xy + 4xy + 4y^2$$

~~$$x^2 + 26xy + 16y^2$$~~

~~$$\frac{x^2 + 26xy + 16y^2}{4x^2 + 8xy}$$~~

$$(x^2 + 2xy + 16y^2) \cdot z$$

$$(x+4y)(x+4y)$$

~~$$(x+4y)(y+4y)$$~~

$$x^2 + 4xy + 16y^2$$

~~$$\frac{x^2 + 4xy + 16y^2}{x^2 + 4xy + 20}$$~~

$$(x+4y)^2$$

~~$$16x$$~~

$$x^2 + 2 \cdot x \cdot 4y + 16y^2$$

$$4 \cdot (x^2 + 2xy + 16y^2) \cdot z$$

~~$$(x^2 + 8xy + 16y^2)$$~~

$$(x+4y)^2 = x^2 + 2 \cdot x \cdot 2y + 4y$$

$$\frac{4 \cdot (x+2y)^2 \cdot z}{4x^2 + 8xy}$$

~~$$xy - x + y - 1$$~~

$$\frac{(x+2y)^2 \cdot z + 8y^2}{(x+4y)^2}$$

$$(x+4y)^2$$

~~$$(x+2y) \cdot (y-1)$$~~

$$\frac{(x+2y)^2 \cdot z + 2xy + 4y^2}{x^2 + 2xy + 4y^2}$$

~~$$\frac{(x+2y)^2 \cdot z + 2xy + 4y^2}{x(x+2y)}$$~~

~~$$\frac{x}{(x^2 + 2y^2)}$$~~

$$\frac{\sqrt{p-x}}{x} - \frac{\sqrt{p+x}}{x}$$

$$1008001$$

$$001600$$

$$151302$$

$$261312$$

$$(1-x^2)(1-x^2)(1-x^2)$$

$$16 \cdot \frac{\sqrt{p-x}}{x} - \frac{\sqrt{p+x}}{x}$$

$$(x-1) \cdot (x-1) \cdot (x-1)$$

$$(x^2-1)^3 \cdot (x-1)^3$$

$$(x-1) \cdot (x-1) \cdot (x-1)$$

$$(x+1)(x-1)^2$$

$$\frac{x^2(4xy+4y^2)}{x^2+2xy}$$

$$X+2X+X$$

$$x^2+2x+x =$$

$$1 - 1 + x - x - x^2 = (1+x)$$

$$X^2+2X+X$$

$$\frac{(x+2)(x^2+2x+1)}{(x+2)(x^2+2x+1)}$$

$$f(x) = x^2 - 24x + 45$$

$$45 - \frac{35}{2} / 2^2 / 2 = \frac{1}{2}$$

$$x = 24 + \sqrt{441 - 4 \cdot 45} = 24 + \sqrt{144} = 24 + 12 = 36$$

$$x = 24 - \sqrt{441 - 4 \cdot 45} = 24 - \sqrt{144} = 24 - 12 = 12$$

$$x = 24 + \sqrt{441 - 4 \cdot 45} = 24 + \sqrt{144} = 24 + 12 = 36$$

$$\frac{14 \cdot 74}{196} : 4 = 49$$

$$\frac{14 \cdot 74}{196} : 4 = 49$$

$$z + 1 = 0 = z - 2 = 5,9$$

$$2x = 3 : 2$$

$$P(x) = \frac{x}{x^2}$$

$$P(x) = \begin{cases} x & x \geq 0 \\ 0 & x < 0 \end{cases}$$

$$\frac{x}{x^2}$$

$$-0,3x^2 + x + 2 = 0 \quad | : (-0,3)$$

$$x^2 =$$

$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$-\frac{40}{100} \cdot (40 - 4)$$

$$-0,4 \cdot 36$$

$$-\frac{1}{10}x^2 - 30t - 6$$

$$-\frac{40}{100} \cdot 30 - 40 - 6$$

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$$y = \frac{7}{6}x + 12 \quad | -2 \quad f(x) = x^4 \quad | \cancel{x^4} \sqrt{ }$$

$$y = 2 = \frac{7}{6}x \quad | \cdot 1.6 \quad \sqrt{y} = x \quad 7$$

$$6y - 72 = x \quad f(x) = \cancel{x}$$

$$6x - 72 = f^{-1}(x) \quad 1700000$$

$$f(x) = 5x + 6 \quad | -6$$

$$y - 6 = 5x \quad | :5 \quad y = 20 + 0.8 \cdot x$$

$$\frac{y-6}{5} = x \quad f(x) = x^2 - 2x - 8$$

$$f^{-1}(x) = \frac{x-6}{5} \quad 0 = x^2 - 2x - 8$$

$$p = -2 \quad q = -8$$

$$-x^2 - 2 \quad x_{1,2} = \frac{2}{2} \pm \sqrt{\left(\frac{2}{2}\right)^2 + 8q}$$

$$\left(\frac{1}{2}x\right)^2 \quad x_{1,2} = 7 \pm \sqrt{g} = 7 \pm \cancel{8} \quad 3$$

$$-2; 0 \quad 0; 0 \quad x_{1,2} = 4; -2$$

$$-1; 0, 25 \quad 1; 0, 25 \quad f(x) = 5 \cdot x^2$$

$$0; 1 \quad 2; 0, 7 \quad f(x) = 5 \cdot x^2$$

$$7; 4 \quad 3; 4 \quad 0; 7; 4; 9; 16; 25$$

$$2; 16 \quad 6; 16 \quad 0; 0, 25; 1; 4; 16$$

$$f(x) = (x+3)^2 + 7$$

$$2^{x+2} \quad \frac{1}{76} \quad f(x) = x^2 + 2 \cdot 3 \cdot x + 9 + 7$$

$$2^{-72} = 0, 725$$

$$2^{-72} = 0, 25$$

$$2^{0,8} = 7$$

$$2^{12} = 4$$

$$2^{2,2} = 16$$

$$2222$$

$$x_{1,2} = -\frac{6}{2} \pm \sqrt{\frac{62}{4} - 70}$$

$$x_{1,2} = -3 \pm \sqrt{g - 70}$$

$$x_{1,2} = -3 \pm \sqrt{-77}$$

$$y - x \} \sim = (x) \neq L$$

$$\frac{1}{x} = \frac{1}{4} + \frac{1}{4}$$

$$t - x h^{-1} \neq (x) \neq L$$

$$f(x) = x - 2 \quad p(-7, -2)$$

$$f = \frac{s^{2^{\alpha}}}{\gamma} + o(\gamma)$$

$$x = b - h \approx h -$$

$$y + x + y = 6$$

$$2 = \frac{2}{3} +$$

$$m = \frac{1}{3} c$$

$$= 0$$

12

A (-2; 0) B

12

52

三  
二

$$F(x) =$$

$$P(x) = \frac{1}{\sqrt{2\pi}} e^{-x^2/2}$$

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$$\begin{aligned} |2x - 3| > 4 \\ 2x - 3 &> 4 \quad |+3 \\ 2x &> 7 \quad |:2 \\ x &> 3,5 \end{aligned}$$

$$\begin{aligned} f(x) = x^2 - 33 \\ 3 = x^2 - 33 \quad |+33 \\ x^2 &= 36 \end{aligned}$$

$$\begin{aligned} 0 = x^2 - 36 \\ p = 0 \quad q = -36 \\ x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2} \\ x_{1,2} = \frac{-0 \pm \sqrt{0^2 + 36}}{2} \\ x_{1,2} = \frac{-0 \pm \sqrt{36}}{2} \\ x_{1,2} = -2,5 \pm 6,5 \end{aligned}$$

$$x_{1,2} = \frac{+6}{2} \quad x_{1,2} = \frac{-6}{2} \\ x_{1,2} = 3 \quad x_{1,2} = -3$$

GB

$$-10, \quad 0, \quad 5$$

$$\cancel{(x)}^2 - 50 - 33 < 3 \quad f(x) = -3x + 2 \quad P(7, 3)$$

$$\cancel{50 - 50 - 33 = 17} \quad 3 = -3 \cdot 2 + 2 \\ 0^2 + 0 - 33 < 3 \quad 3 = -6 + 2 \\ 0^2 + 0 - 33 < 3 \quad 3 \neq -4$$

$$\cancel{5^2 + 5^2 - 33 < 3} \quad 3 = -4x + 4 \quad |+4x \\ \cancel{-4x = 7} \quad x = \frac{7}{4} \\ 50 - 33 < 3 \quad \cancel{x = \frac{7}{4}} \\ 50 - 33 < 3 \quad \cancel{x = \frac{7}{4}} \\ 50 - 33 < 3 \quad \cancel{x = \frac{7}{4}}$$

$$3 = -4x + 4 \quad |+4x \\ 4x = 7 \quad |:4 \\ v - v > 5$$