

$$3// ((4+3) \times 4) - 5 + \left(\frac{(7-4)^2}{3} \right) + 1$$

$$(17 \times 4) - 5 + \left(\frac{3^2}{8} \right) + 1$$

$$28 - 5 + 3 + 1$$

$$\textcircled{= 27}$$

$$6// \frac{y}{P} + a = b \quad \frac{yP}{P} + aP = bP$$

$$y + Pa = Pb$$

$$Pa = Pb - y$$

$$P = \frac{(Pb - y)}{(b - a)}$$

$$\textcircled{P = \frac{y}{(a-b)}}$$

$$9// \text{Friday} = x = 3.5$$

$$\text{Saturday} = y = 5$$

$$\text{Sunday} = z = 6.5$$

$$x+y+z = 15 \text{ hrs}$$

$$\text{Pay} = \text{Hour} \times \$12.50/\text{hr}$$

$$= (x+y+z) \times 12.50$$

$$= 15 \times 12.50$$

$$\textcircled{= \$187.50}$$

$$12// \text{Reno Budget} = \$18\,000.00$$

$$\text{Shrubs \& Flowers} = 9\% = 0.09$$

$$18k \times 0.09 = \textcircled{\$1620.00}$$

$$13// \text{gallons} = \text{Fleet total metric units} - \text{metric units}$$

$$1600 \text{ units}^{\text{total}} - 320 \text{ units}^{\text{used}} = 1280 \text{ units}^{\text{R}}$$

$$\left(\frac{1280}{1600} \right)^{\text{R}} = 0.8 = \textcircled{80\%}$$

$$14// 75\% = 0.75$$

$$0.75x = 224.96$$

$$x = \frac{224.96}{0.75} = 299.9467$$

$$\textcircled{x = 299.95}$$

$$\text{HST} = 15\% = 0.15$$

$$\text{Cost}^{\text{Total}} = \text{Price}^{\text{D1}} \times 1.15$$

$$= 224.95 \times 1.15$$

$$\textcircled{= 258.69}$$

252

253 `pow(x, y)`: Returns x raised to the power y .

254 `sqrt(x)`: Returns the square root of x .

255 `fabs(x)`: Returns the absolute value of x .

256 `fmod(x, y)`: Returns the remainder of x divided by y .



Good with me! I'll have num

QAP 2

$$\#2. \frac{28+7}{-7(5-b)^2} = 1$$

$$\cdot \frac{35}{-7(-1)^2} = 1$$

$$\cdot \frac{-5}{1} = 1$$

$$\cdot -5 = 1$$

$$\boxed{= -6}$$

$$\#5. Y = mx + c$$

$$\cdot Y = xm + c$$

$$\cdot -xm = c - Y$$

$$\cdot m = \frac{c - y}{x}$$

$$\boxed{= m = \frac{y - c}{x}}$$

$$\# 8. S = uf + \frac{1}{2}at^2$$

$$\checkmark 2S = 2uf + at^2$$

$$\cdot -at^2 = 2uf - 2S$$

$$\cdot t^2 = \frac{2uf - 2S}{a}$$

$$\cdot t^2 = \frac{2S - 2uf}{a}$$

$$\cdot t^2 = \pm \sqrt{\frac{2Sa - 2ufa}{a}}$$

$$\boxed{= t = -\sqrt{\frac{2Sa - 2ufa}{a}}}$$

$$\boxed{t = \sqrt{\frac{2Sa - 2ufa}{a}}}$$

$$\# 11. 12\% \text{ of } x = \$475$$

$$\cdot 12/100 = 0.12$$

$$\cdot 0.12x = \$475$$

$$\cdot x = \$475 / 0.12$$

$$\boxed{x = \$3,958.33}$$

History



Good with me! I'll have num

QAP 2

#14. Percent increase = $\frac{(\text{New Value} - \text{Original Value})}{\text{Original Value}} * 100$

- Percent increase = $\frac{(2.9 \text{ ppm} - 2.6 \text{ ppm})}{2.6 \text{ ppm}} * 100$
- Percent increase = $(0.3 \text{ ppm} / 2.6 \text{ ppm}) * 100$
- Percent increase = $0.115384615 * 100$
- Percent increase = 11.54%

#17. Percent decrease = $\frac{(\text{Original Price} - \text{New Price})}{\text{Original Price}} * 100$

- Percent decrease = $\frac{(\$60 - \$36)}{\$60} * 100$
- Percent decrease = $(\$24 / \$60) * 100$
- Percent decrease = $0.4 * 100$
- Percent decrease = 40%

#20.

History



heres my work!

Mitchel Joy
Saturday, September 30, 2023 5:06 PM

Mitchel Joy
Saturday, September 30, 2023 5:06 PM

$$1. 9 + (12 \div 6)^2 + (2x - 9) - 5$$

$$1. 9 + (12 \div 6)^2 + (2x - 9) - 5$$

$$9 + 4 + (2x - 9) - 5$$

$$13 - 5 + 2x - 9$$

$$\begin{array}{r} 8 - 9 + 2x \\ \hline 2x - 1 \end{array}$$

$$4. a) 38.63 + 14.2 = 52.83$$

$$b) 230 \times 2.465 = 566.95$$

$$c) 13.2 / 4.8 = 2.75$$

7. Subject (x) in:

$$2(x+3) - 3(y+2) = 4xy$$

$$2x + 6 - 3y - 6 = 4xy$$

$$-3y = 4xy - 2x$$

$$-3y = x(4y - 2)$$

$$\boxed{\frac{-3y}{4y-2} = x}$$

$$10 (5.5 + 7.75) - 3.25$$

$$13.25 - 3.25$$

$$\boxed{10}$$

George has 10 yd
left.

Mitchel Joy Yesterday 5:21 p.m.

MJ

heres my work!

Mitchel Joy
Saturday, September 30, 2017 5:21 PM

$$1. \quad 9 + (12 \div 6)^2 + (2x - 9) - 5$$

$$13. \quad (219.95 \times 0.15) + 219.95 = \text{Final Price}$$

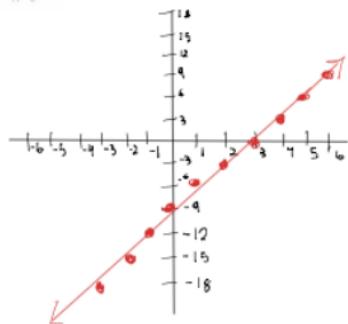
$$\begin{aligned} & 32.99 + 219.95 && \text{The final price} \\ & = 252.94 && \text{is \$252.94} \end{aligned}$$

$$\begin{aligned} 16. \quad & 345 \div 1.15 && \text{The original price} \\ & = 300 && \text{was \$300} \\ & 345 - 300 = 45 && \text{The tax was \$45} \end{aligned}$$

Mitchel Joy Yesterday 5:21 p.m.
 heres my work!
 $\frac{3x-9}{2} = y$

19. a)

$3x-9$	y
-3	-18
-2	-15
-1	-12
0	-9
1	-6
2	-3
3	0
4	3
5	6
6	9

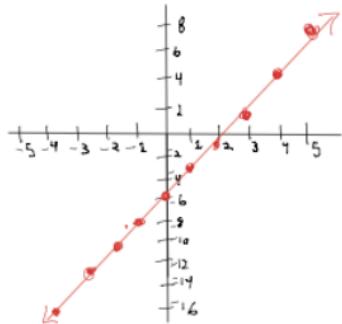


b) $5x-12=2y$

$$\frac{5x-12}{2} = y$$

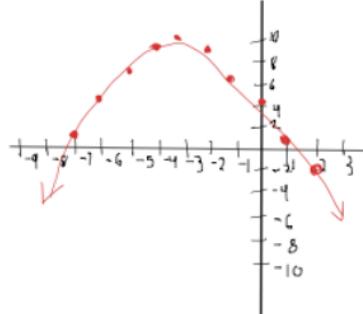
$$2.5x-6=y$$

$(5x-12)/2$	y
-4	-16
-3	-13.5
-2	-11
-1	-8.5
0	-6
1	-3.5
2	-1
3	1.5
4	4
5	6.5



c)

$-(1/2)x^2-3x+5$	y
-7	1.5
-6	5
-5	7.5
-4	9
-3	9.5
-2	9
-1	7.5
0	5
1	1.5
2	-2



d)

$Sqr(3x-4)-2$	y
2	-0.6
3	0.24
4	0.83
5	1.3
6	1.7
7	2.1
8	2.5
9	2.8
10	3.1
11	3.4

