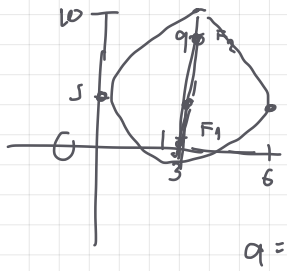


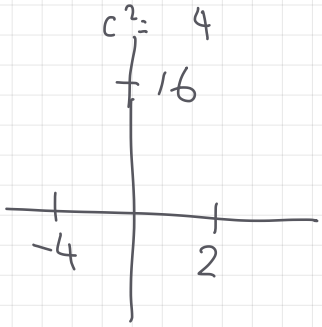
$a = 3 \quad b = 5$

$1-x < -\frac{3}{7} \qquad -\frac{3}{7} < 7-x$

$\frac{10}{7} < x \qquad x < 7.4$

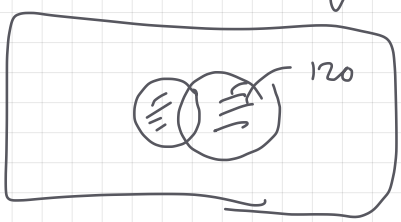
1.4

a^2+1



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

$-x^2$

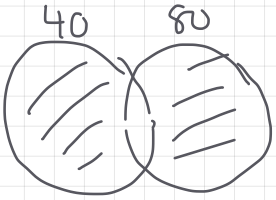


$25 \quad \frac{1}{4}A = \frac{1}{8}B$

$A = \frac{1}{2}B$

$\frac{1}{2}B$

$(A \cap B) =$



$(3x$

$x^6 + x$

$3x^2$

x^3

$f(x) =$

$(3x+1+1 \quad = 6x^2 + x$

$(3x+1)(z) = x^3 + x + y$

$(3x+1)\left(\frac{1}{3}x^2 + \frac{1}{3}\right)$

X

$\frac{x}{40+x} = \frac{1}{4}$

$4x = 40+x$

$3x =$

$\frac{x}{40+x} = \frac{1}{4}$

$4x = 10$

$N = \frac{8}{4} = 2$

$\frac{8}{1} = 8$

$\frac{dn}{dt} = -(8)$

$\frac{8}{4} = 2$

$n = 8$

$\frac{dn}{dt} = \frac{(t+1) - \frac{d}{dt}(t+1)}{(t+1)^2}$

$= \frac{-8}{t^2+2t+1}$

$\underline{6}$

-6

$\log_5 x^2 = \frac{25}{x^3}$

$2\log_5 x = \frac{25}{x^3} \log_5 5^2$

$x^3 \times 2$

$\log_5 x = \frac{\log_1 5}{x^3}$

$x^3 = \log\left(\frac{5}{x}\right)$

$10^{x^3} = \frac{5}{x}$

$x \cdot 10^{3x^3} = 5$

$$2\log_5 x = \frac{2\log_5 5}{x^4}$$

$$\frac{25}{x^4}$$

$$x^4 = \log_5(5)\,\frac{1}{10}$$

$$\log_5 x = x^9$$

$$5^{4x} = x$$

6 16 26 36 46 56 66 76 86 96

0 2

4

1111

$$\frac{8}{21} \times \frac{7}{20}$$

3 5

10

$$6x + 18x$$

$$x \cdot \frac{0.5}{100}$$

$$6x + 6y + 6z = 24x$$

$$6y + 6z = 18x$$

$$y + z = 3x$$

$$4x + 12x = 16x$$

$$= \frac{1}{3} \times 24^8 x$$

$$x + y + z = 6$$

$$1.4\left(800 \cdot \frac{50}{100}\right) = 800 \times 1.4$$

1120

1280

$$\frac{4}{6} = \frac{2}{3}$$

$$x = 24$$

$$\frac{1}{3}$$

$$x = 6 - y - z$$

$$24 = 6 - y - z$$

$$18 = -(y + z)$$

$$y + z = -18$$

$$\begin{array}{r|l} \times & ab \\ \hline & \end{array} \qquad \begin{array}{r|l} \times 2 & ab \\ \hline 2 & \end{array}$$

$$yz$$

$$8 \quad 15$$

$$\frac{a}{50} = y$$

$$a = 50y$$

$$b = 50z$$

$$\begin{array}{r|l} 25 & ab \\ \hline 2 & \end{array}$$

$$50yz = 600$$

$$yz = 120$$

$$12$$

$$4 \quad 3$$

$2a_1 + 2a_3 + 7a_5 +$

$2(a_1 + a_3 + a_5) = 30$

$(a_1 + (n-1)2d) = 15$

$18d + {}^{18}a_1 = 15$

G A E B D F C