input	output	lassification
px2+px+k=	0	0
X= - b ± √b	0	0
x2 + kx + 6	0	0
"X=- b ± sq	0	0
X= -(-2√2)±	0	0
if -5 is voot	0	0
2n't px- - 1	0	0
(7p+2)²- 4(	0	0
current tim	0	0
"9x2-3ax +	0	0
Solve For x	0.25	0
9 x2+ (ain a	0.25	0
Q9. x2 (a +	0.375	0
d= -5 2x2+	0.5	0
(7p+2)² - 4(	0.5	0
(7p+2)² - 4(	0.5	0
(7p+2)² - 4(	0.5	0
x=√2 ± √2/	0.5	0
bt b-uac -7	0.5	0
-b^2-4ac/	0.5	0
/16 satisfie	0.5	0
p=4 p(x2+x	0.5	0
(7p+2)² - 4(	0.5	0
7p+2)² - 4(	0.5	0
(7P+2)² - 4(	0.5	0
(7p+2)² - 4	0.5	0
(7P + 2)² - 4	0.5	0
(7P+2)² - 4	0.5	0
9) 72+ t/a a	0.5	0
(b-c)2 - 4 (a	0.5	0
new speed	0.5	0
b2-4ac2a *	0.5	0
9. x2 (a + a	0.625	0
Don't Knov	0.75	0
a = 2, b = 4	0.75	0
a) x + a+b a	0.75	0
x2 + latb a	0.75	0
8.) Find x :	0.875	0
a) talls a+b	0.875	0
(7p+2)² - 4(	1	0
(7P+2)² - 4	1	0
2x2+px-15=	1	0
X= - b ± √b	1	0
x2 + kx + 6	1	0
I don't kno	1	0
X= -(-2√2)±	1	0

8.) Find x if	1	0
2x2 + 4x - 8	1	0
2x2 + 4x – 8	1	0
D = b2 – 4a	1	0
2x2 + 4x – 8	1	0
2x2 + 4x – 8	1	0
2-q^2) . X=	1	0
31.3 36-8a	1	0
p(x2+x)+k=	1	0
(7P+2)² - 4(	1	0
(7P+2)² - 4	1	0
(7p+2)²-4 (	1	0
Multiplying	1	0
x=1500/(V-	1	0
9x2-3ax + 1	1	0
8.) Find x :	1.125	0
Nature of r	1.125	0
2x2 + 4x - 8	1.125	0
2x2 + 4x – 8	1.125	0
98) x2+ (ai	1.125	0
Q8) 1	1.15625	0
x-5-(x-3)/(x	1.1875	0
d=192km t	1.25	0
For real ro	1.25	0
Let two dig	1.25	0
x-5-(x-3)/(x	1.25	0
-4 ± √16 +	1.25	0
2x2 + 4x – 8	1.25	0
2x2 + 4x – 8	1.25	0
a = 2, b = 4	1.25	0
(a atb +a+(	1.25	0
x's a + aib)	1	0
a) x'+ 19.91	1	0
8) Find x if	1	0
1 - 1 = 1 ik	1	0
Q8. 1 x-3 -	1	0
g(2 * (at) a	1	0
x2 (a) a + a	1	0
20208 X2+	1	0
a 2 + (a+b	1	0
Given. 1 r-	1	0
Given1/(x -	1	0
Q8) I - 1 = (	1	0
192 = S× t1	1.5	0
5x2+ kx+64	1.5	0
x2 +Kx +64	1.5	0
Let’s consi	1.5	0

8.) Find x if	1.5	0
2x2 + 4x – 8	1.5	0
if -5 is voot	1.5	0
49p² + 4 +2	1.5	0
(7P+2)² - 4(	1.5	0
(7p+2)² - 4	1.5	0
(7p+2)² - 4(	1.5	0
(7p+2)² - 4(	1.5	0
(7p+2)² - 4(	1.5	0
(7p+2)² - 4(	1.5	0
(7P+2)²-4(2	1.5	0
(7p+2)² - 4	1.5	0
(7P+2)²-4(2	1.5	0
(7p+2)²-4(2	1.5	0
x-5-(x-3)/(x	1.5625	0
x-5-(x-3)/(x	1.5625	0
2x2 + 4x – 8	1.5625	0
For real ro	1.625	0
10x+y=4(x+	1.625	0
x-5-(x-3)/(x	1.65	0
360/x - 3 =	1.75	0
36x 2 - 12a	1.75	0
K=25±√(25	1.75	0
x2 -kx+64=	1.75	0
√3(x2 - 2√2	1.75	0
10x+y=4(x-	1.75	0
Lets consid	1.75	0
10x + y = 4(	1.75	0
-b^2-4ac/	1.75	0
x -q^2=0. E	1.75	0
2). a=p^2 b	1.75	0
xdp are roc	0.5	0
2x +5B = 12	1	0
2 at 5 B=12	1	0
al let S be a	0.5	0
x (a.) a + a+	1	0
(b-c)2 - 4 (a	1.75	0
(b-c)2 - 4 (a	1.75	0
current tim	1.75	0
8 6 x-3 9+5	1	0
find x-3 1 x	1	0
2/3 -3 = -7/	0.5	0
(2(k-12))^2	1.875	0
Let the nur	1.875	0
8. find nif 1	1.875	0
2x2 + 4x – 8	1.875	0
2 Given Eq	1.5	0

3) p+q =6/2	1.875	0
d= -5 2x2+p	1.875	0
d=192s=x+	2	0
xy = 360 (x	2	0
36x2-12ax	2	0
4x2 - 32 + 5	2	0
36x 2 - 12a	2	0
x= 2/3 21=a	2	0
x2+kx+64=	2	0
x2+kx +64=	2	0
X=- b ± squ	2	0
x=- b ± squ	2	0
√3(x2 - 2√2	2	0
√3x2-2√2x-	2	0
Let's consid	2	0
Given a tw	2	0
10x+y=4(x+	2	0
10x+y=4x+	2	0
Equation is	2	0
10x+y=4(x+	2	0
xy – 2 digit	2	0
1 - 1 - 1 X5	2	0
Find the Va	2	0
x-5-(x-3)/(x	2	0
a=p^2 b= (	2	0
x= -q^2 So	2	0
2). a=p^2 b	2	0
p^2 - q^2 =	2	0
p^2 - q^2 =	2	0
Q3) It a & B	2	0
6+-sq(36-8	2	0
3) Given th	2	0
3.) 2x2-6x+	2	0
Q3. Given a	2	0
Q3 A+B=6/	2	0
Q3) Sum of	2	0
x.p2n2 + (p	2	0
2x2 + px - 1	2	0
2x2+px-15=	2	0
2(x+5)(x2-5	2	0
(7P+ 2)² - 4	2	0
(7P+2)² - 4(	2	0
(7p+2)²- 4(	2	0
(P+2)-41(2	2	0
(7p + 2)² - 4	2	0
(7P + 2)² -	2	0
a. x2 + (a a	2	0

29 art (ath	2	0
9x2-3ax + 1	2	0
9x2- 3ax+1	2	0
D condition	2	0
8) x-5-(x-3)	2	0
Given1/(x -	2	0
Find x: If 1/	2	0
362-12ax+(	2.125	0
36x2 – 12a	2.125	0
4(k-12)^2-4	2.125	0
Roots are e	2	0
x2 +Kx+64=	2	0
For real nc	2	0
3) p+q =6/2	2	0
Q3> given	2	0
3) 2x2-6+a=	2	0
2x2+px-15=	2	0
a) xt 1 a+b	2	0
Let speed b	2	0
8 (x+5)- (x-	2	0
	2	0
2x2+px-15=	2.25	0
192/x - 192	2.25	0
sp= x kmph	2.25	0
dx = 360(d	2.25	0
dx = 360(d	2.25	0
ax^2+7x+b	2.25	0
Given,x = 2	2.25	0
36x2 - 12ax	2.25	0
K=2/3, k=-3	2.25	0
(x+1/x-1) +	2.25	0
real roots =	2.25	0
x2 +Kx +64	2.25	0
For eq 1 b-	2.25	0
x2 + kx + 64	2.25	0
√3x2 -√2x-2	2.25	0
√3x2-2√2x-	2.25	0
√3(x2 - 2√2	2.25	0
x= - b ± squ	2.25	0
x=- b ± squ	2.25	0
10x+ (14x/2	2.25	0
Given a tw	2.25	0
Let 2 digit n	2.25	0
Let two dig	2.25	0
Let two dig	2.25	0
10x + y = 4(	2.25	0
8) Find XIf	2.25	0

Roots are -	2.25	0
-b ± √(b2 -	2.25	0
x = -b ± √(	2.25	0
x1, x2 = -b	2.25	0
Formula =	2.25	0
2x2 + 4x –	2.25	0
b - 4ac 2q -	2.25	0
p^2 - q^2 =	2.25	0
x= - (p^2-c	2.25	0
p^2x^2+ (p	2.25	0
q =0 a=p^2	2.25	0
x -q^2=0. E	2	0
x -q^2=0. E	2.25	0
- q^2 = 0 x	2.25	0
2). a=p^2 b	2.25	0
a=p^2 b=p	2.25	0
p-q^2 = 0,	2.25	0
p^2 - q^2 =	2.25	0
b^2-4ac/2a	2.25	0
2x - 6x ta =	2.25	0
A 2x2- 6x+a	2.25	0
A and B ar	2.25	0
2x2-6x+a=(	2.25	0
value of a i	2.25	0
Given equ	2.25	0
If A and B a	2.25	0
2x2-6x+a=	2.25	0
-5 is a root	2.25	0
2x2+px-15=	2.25	0
-5 is a root	2.25	0
So 2x2 + px	2.25	0
59-20191 it	2.25	0
9x2-3ax+1=	2.25	0
Q8 find X if	2.3125	0
Qs. Find(x-	2.3125	0
8) x-5-(x-3)	2.333333	0
Given1/(x -	2.333333	0
use the qua	2.333333	0
36x2 - 12ax	2.375	0
36 * x2 = 1	2.375	0
[2[k-12]]^2	2.375	0
x = ((- 12a)	2.375	0
√3x2-2√2x-	2.375	0
√3x2-2√2x-	2.375	0
√3x2-2√2x-	2.375	0
x=- b ± squ	2.375	0
x=(-(-2√2)±	2.375	0

Assume tw	2.375	0
Given1/(x -	2.375	0
If 1/(x-3) –	2.375	0
2x2 + 4x – 8	2.375	0
2x2 + 4x - 8	2.375	0
2x2 + 4x – 8	2.375	0
Formula = -	2.375	0
2x2 + 4x – 8	2.375	0
2x2-6x+a=	2.375	0
2x2-6x +a=	2.375	0
2x2+px-15=	2.375	0
2x2+px-15=	2.375	0
x^2+((a/a+	2.375	0
to 9) x3+ a	2.375	0
(a-b)x2 + (b	2.375	0
Let the usu	2.375	0
Given Dista	2.375	0
Given. 9x2	2.375	0
9x2-3ac + 1	2.375	0
b2 – 4ac = (	2.375	0
Find the Va	2.4375	0
3) 2x2+Px 1	2.5	0
Given, -5 is	2.5	0
192/x=192/	2.5	0
3x 2 + 12x -	2.5	0
time= x Mo	2.5	0
"r= - b2 ± √	2.5	0
X= - b ± √b2	2.5	0
36x2 – 12a	2.5	0
x=2/3 , x =	2.5	0
x=2/3 & x=	2.5	0
ax^2+7x+b	2.5	0
ax^2+7x+b	2.5	0
Given Equa	2.5	0
√3(x2 - 2√2	2.5	0
x=- b ± squ	2.5	0
√3x2-2√2x-	2.5	0
√3x2-2√2x-	2.5	0
x=- b ± squ	2.5	0
√3x2-2√2x-	2.5	0
x=(-(2√2)±	2.5	0
√3x2 -2x-2√	2.5	0
X= - (-2√2)	2.5	0
√3(x2 - 2√2	2.5	0
√3(x2 - 2√2	2.5	0
√3x2-2√2x-	2.5	0
√3(x2 - 2√2	2.5	0

√3x2-2√2x-	2.5	0
x=- b ± squ	2.5	0
10x+y=x+y	2.5	0
2x2 + 4x –	2.5	0
2x2 + 4x –	2.5	0
a=p, b= (P	2.5	0
b^2-4ac 2a	2.5	0
a =p^2 , c=	2.5	0
pax^2+ apx	2.5	0
2p^2 +q^2-	2.5	0
3 2x2 - 6x +	2.5	0
Q3 If d and	2.5	0
3 If A and E	2.5	0
Given 2x2 -	2.5	0
2x2+px-15=	2.5	0
Given: -5 is	2.5	0
(7p+2)²- 4 (	2.5	0
(7p+2)²-4 (	2.5	0
(7P+2)² - 4(	2.5	0
(7p+2)² - 4(	2.5	0
(7p+2)² - 4(	2.5	0
(7p+2)² - 4(	2.5	0
(7p+2)² - 4(	2.5	0
49p² + 4 +	2.5	0
(7p+2)²-4(2	2.5	0
(7P + 21² -	2.5	0
(7P+2)² -4(	2.5	0
(7P + 2)² - 4	2.5	0
(7P+2)²-4 (	2.5	0
(7P+2)²- 4 (	2.5	0
(7P+2)² - 4	2.5	0
(7P + 2)² - 4	2.5	0
(7p+2)²-4(2	2.5	0
x^2+((a/a+	2.5	0
x2+ (a + atl	2.5	0
9x2-3ax+1	2.5	0
9x2 - 3ax+1	2.5	0
9a2 - 3ax+1	2.5	0
x-3 I - 1 x+	2.541667	0
\ x- 3 x+5 1	2.5625	0
x=2/3 -----(	2.625	0
x=2/3 & x=	2.625	0
(x+1)(x+2)(	2.625	0
(K-12)x^2+	2.625	0
(x+1/x-1) +	2.625	0
(x+1/x-1) +	2.625	0
(x+1/x-1) +	2.625	0

(x+1/x-1) +	2.625	0
real roots :	2.625	0
√3x2-2√2x-	2.625	0
√3x2-2√2x-	2.625	0
√3x2-2√2x-	2.625	0
x=- b ± squ	2.625	0
x=(-(-2√2):	2.625	0
√3(x2 - 2√2	2.625	0
10a+b=4(a-	2.625	0
10a + b = 4	2.625	0
x 731-5 1 6	2.625	0
Formula -b	2.625	0
2x2 + 4x – 8	2.625	0
2x2 + 4x – 8	2.625	0
Sol:- 20+58	2.625	0
Sum of roo	2.625	0
Given , 2X'	2.625	0
-5 is a root	2.625	0
2x2+px-15=	2.625	0
2x2+px-15=	2.625	0
b2-4ac=0 (I	2.625	0
b2-4ac=0 (I	2.625	0
b2-4ac=0 (I	2.625	0
(a-b)x2+(b-	2.625	0
Let speed o	2.625	0
Given, 9x2-	2.625	0
x-5-(x-3)/(x	2.65625	0
8.) Find 1/(	2.660714	0
A two digit	2.666667	0
2x2+px-15=	2.6875	0
2x2+px-15=	2.75	0
to = ts + 2 h	2.75	0
s+16= 192/	2.75	0
360/x - 3 =	2.75	0
Extended t	2.75	0
360 x – 3 =	2.75	0
360/(x + 4)	2.75	0
"No real ro	2.75	0
b2 – 4ac=9	2.75	0
Δ=0b2– 4a	2.75	0
"Roots = 3	2.75	0
"X= - 3 ± √	2.75	0
36x2 - 12ax	2.75	0
x=2/3,x=-3	2.75	0
2(x^2-2x) =	2.75	0
9a-21+b=0	2.75	0
(K-12)x^2+	2.75	0

(x+1/x-1) +	2.75	0
for real roc	2.75	0
√3x2-2√2x-	2.75	0
x=- b ± squ	2.75	0
√3(x2 - 2√	2.75	0
√3x2 -√2x-	2.75	0
√3x2 -√2x-	2.75	0
x=- b ± squ	2.75	0
x=- b ± squ	2.75	0
Given, ab =	2.75	0
ab=4(a+b)=	2.75	0
Let two dig	2.75	0
a,b -> be tv	2.75	0
10x+y=4(x+	2.75	0
10a + b = 4	2.75	0
Roots are -	2.75	0
x= b^2-4ac	2.75	0
p^2 + (p-q'	2.75	0
- q^2 = 0 x	2.75	0
a=p^2 b=p-	2.75	0
x = -b^2-4a	2.75	0
x = - b - b +	2.75	0
A,B are the	2.75	0
If'd and Ba	2.75	0
If x and B a	2.75	0
A,B are roo	2.75	0
If x and B a	2.75	0
Equation 2	2.75	0
So 2x2 + px	2.75	0
2x2+px-15=	2.75	0
V= d/t S = 1	2.75	0
9x2 - 3ax +	2.75	0
9x2- 3ax +1	2.75	0
Given,x=2/	2.875	0
METHOD1	2.875	0
ax^2+7x+b	2.875	0
Given,x=2/	2.875	0
Since x=2/3	2.875	0
ax^2+7x+b	2.875	0
x=2/3 ;x = -	2.875	0
Since x=2/3	2.875	0
b^2-4ac=0(	2.875	0
D=b^2-4ac	2.875	0
(k-12)x^2+(	2.875	0
Given,x=2/	2.875	0
(x+1/x-1) +	2.875	0
(x+1/x-1) +	2.875	0

for x2 +Kx-	2.875	0
3x2-2√2x-2	2.875	0
x=- b ± squ	2.875	0
Here a = 2,	2.875	0
-b ± √(b2 -	2.875	0
If A and B a	2.875	0
x^2+((a/a+	2.875	0
x^2+((a/a+	2.875	0
(a-b) x2 - (b	2.875	0
B=(b-c)2; A	2.875	0
a+c =0b2+c	2.875	0
Q8) Find x	2.90625	0
The roots c	2.916667	0
x-5-(x-3)/(x	2.9375	0
3) 2017 PX-	3	0
If p is root	3	0
2x2+px-15=	3	0
192/a= 192	3	0
192/(x+16)	3	0
360/x - 360	3	0
"x= ±b - √b	3	0
"x= - 3 ± √9	3	0
4x2+3x+5=	3	0
x = 2/3, - 3	3	0
(x - 2/3) (x	3	0
ax^2+7x+b	3	0
Given, x= 2	3	0
x=2/3 ; x =	3	0
x=2/3 ,x = -	3	0
x= 2/3,-3 a	3	0
(x+1)(x+2)+	3	0
b2 - 4ac >0	3	0
x2+Kx +64	3	0
x2+kx+64=	3	0
x=√3x2-2√2	3	0
x=√3x2-2√2	3	0
√3x2-2√2x-	3	0
√3x2-2√2x-	3	0
2x2 + 4x - 8	3	0
p^2x^2+ (p	3	0
p^2 + (p-q^	3	0
- q^2 = 0 x	3	0
- q^2 = 0 x	3	0
p^2 - q^2 =	3	0
- q^2 = 0 x	3	0
- q^2 = 0 x	3	0
a=p^2 b=p-	3	0

p^2 - q^2 =	3	0
p^2 - q^2 =	3	0
If and B are	3	0
3 If a and c	3	0
A,B are the	3	0
B=(b-c)2; A	3	0
(a-b)x2 + (b	3	0
(a-b)x + (b-	3	0
Let speed c	3	0
time taken	3	0
Let the usu	3	0
s=d/t t=d/s	3	0
B2 – 4ac =	3	0
9x2 - 3ax +	3	0
9x2 -3bx +	3	0
X=2/3X=-3/	3.125	0
x=2/3 and	3.125	0
x=2/3 ; x =	3.125	0
x=2/3 ;x = -	3.125	0
(x+1/x-1) +	3.125	0
(x+1/x-1) +	3.125	0
(x+1/x-1) +	3.125	0
Given,x = 2	3.125	0
Given Equ	3.125	0
x2-8x+k=0	3.125	0
For real roo	3.125	0
x=- b ± squ	3.125	0
10x+y=4(x+	3.125	0
Q8) Find x	3.125	0
2x2+px-15=	3.125	0
Given equa	3.125	0
If -5 is the r	3.125	0
x^2+((a/a+	3.125	0
(b-c)2 - 4 (a	3.125	0
Speed be x	3.125	0
t1=1500/x	3.125	0
1500/x – 15	3.125	0
9x2-3ax +1	3.125	0
Given 9x2 -	3.125	0
If 1/(x-3) –	3.21875	0
2x2+px-15=	3.25	0
360/x - 360	3.25	0
"x= ±b - √b	3.25	0
Using bhas	3.25	0
"x= - 3 ± √9	3.25	0
Method 1 :	3.25	0
"X2+3x/4 +	3.25	0

ax2+7x+b=	3.25	0
x = 2/3 x =	3.25	0
x=2/3 ,x = -	3.25	0
Since roots	3.25	0
4(k-12)^2-4	3.25	0
Roots are e	3.25	0
(x+1/x-1) +	3.25	0
(x+1/x-1) +	3.25	0
ax2+7x+b=	3.25	0
(x+1/x-1) +	3.25	0
x2+Kx +64	3.25	0
For real ro	3.25	0
x2+Kx +64	3.25	0
for real roc	3.25	0
x2+Kx +64	3.25	0
x2+Kx +64	3.25	0
X=- b ± squ	3.25	0
x=- b ± squ	3.25	0
√3x2-2√2x-	3.25	0
8) Find XIf	3.25	0
Find x: If 1/	3.25	0
2x2 + 4x - 8	3.25	0
a=p^2 b=p	3.25	0
p^2- q^2 =	3.25	0
- q^2 = 0 x	3.25	0
We Know t	3.25	0
2x2-6x+a=(	3.25	0
d= = 6 + 36	3.25	0
2x2- 6x +a	3.25	0
2x2 -6x+a=	3.25	0
Let, α = -5	3.25	0
2x2+px-15=	3.25	0
Given equa	3.25	0
2(-5)2 + p(-	3.25	0
Given equa	3.25	0
2x2 + px - 1	3.25	0
2x2+px-15=	3.25	0
(b-c)2 - 4 (a	3.25	0
given Dista	3.25	0
Let usual sp	3.25	0
1500/(x+10	3.25	0
Normal tim	3.25	0
usual spee	3.25	0
9x2- 3ax+1	3.25	0
b2-4ac=0 9	3.25	0
Discrimina	3.25	0
9x2-3ax+1=	3.25	0

9x2- 3ax +1	3.25	0
what value	3.25	0
a=9, C=1 D	3.25	0
9x2 - 3ax+1	3.25	0
9x2 - 3ax +	3.25	0
9x2 - 3ax+1	3.25	0
9x2 - 3ax+1	3.25	0
Qs. Find(x-	3.3125	0
x-5-(x-3)/(x	3.3125	0
Q8 Find x x	3.34375	0
Given Eqn,	3.375	0
x=2/3; x=-3	3.375	0
x=2/3 , x =	3.375	0
x=2/3 , x=-	3.375	0
[2(k-12)]^2	3.375	0
Question 1	3.375	0
4x2 - 32 + 5	3.375	0
Take Equat	3.375	0
x=√3x2-2√	3.375	0
Let no be 1	3.375	0
Q3) If A,B a	3.375	0
-5 is a roc	3.375	0
substitute	3.375	0
Given equa	3.375	0
Q8 find X if	3.416667	0
Find x: If 1/	3.416667	0
If 1/(x-3) –	3.458333	0
Q8) Find X	3.458333	0
Speed =Dis	3.5	0
192/(x+16)	3.5	0
s=192kmt2	3.5	0
360/x = 3 +	3.5	0
x = - b ± √b	3.5	0
4 x2/4 + 3x	3.5	0
"x = - b ± √	3.5	0
x= - b ± √b2	3.5	0
"X = - 3 ± √	3.5	0
"X= - 3 ± √	3.5	0
4x2+3x+5=	3.5	0
"Roots X= -	3.5	0
(K - 12)x2+	3.5	0
Method 1 :	3.5	0
4x2+3x+5=	3.5	0
Method 1:	3.5	0
(k−12) x² +	3.5	0
(x+1/x-1) +	3.5	0
Method 1 :	3.5	0

(x+1/x-1) +	3.5	0
(x+1/x-1) +	3.5	0
x2+Kx +64	3.5	0
X=- b ± squ	3.5	0
√3x2-2√2x-	3.5	0
x = -b ± √(	3.5	0
x = -b ± √(	3.5	0
p^2x^2+(p	3.5	0
(px+q^2)x-	3.5	0
2x2+px-15=	3.5	0
α =-5 equa	3.5	0
2(-5)2 - 5p	3.5	0
(7p+2)² - 4	3.5	0
(7P+2)² - 4(	3.5	0
(7p+2)² - 4(	3.5	0
x^2+((a/a+	3.5	0
B2-4AC=0 I	3.5	0
Given, dist	3.5	0
usual spee	3.5	0
9x2 - 3ax +	3.5	0
9x2 - 3a2+1	3.5	0
9x2-3ax + 1	3.5	0
9a2 - 3ax+1	3.5	0
2x2- 6x+a=	3.5	0
2x2+px-15=	3.5	0
1/(x-3) – 1	3.59375	1
36x2-12ax	3.625	1
3b * x 2 =	3.625	1
36x2 – 12a	3.625	1
a (4/9) +7 (	3.625	1
b²-4ac=0 (2	3.625	1
(k-12)x^2+1	3.625	1
B^2-4ac=0	3.625	1
x = -4 + √8(	3.625	1
given Equa	3.625	1
Given equa	3.625	1
2x2 + px - 1	3.625	1
4) -5 is a ro	3.625	1
b2 - 4ac, ar	3.625	1
(a-b)x2 + (b	3.625	1
1500/(x+10	3.625	1
Given equa	3.625	1
9x2-3ax +1	3.625	1
9x2 - 3ax +	3.625	1
9x2 - 3ax +	3.625	1
we can use	3.625	1
9x2 - 3ax +	3.625	1

Nature of r	3.6875	1
a = 2, b = 4	3.6875	1
2x2+px - 15	3.75	1
2x2+px-15=	3.75	1
α = -5 2x2+	3.75	1
2x2+px-15=	3.75	1
192/x - 192	3.75	1
192/x - 192	3.75	1
t= 192/xsp	3.75	1
t= 192/xsp	3.75	1
t= 192/x (x	3.75	1
360/x = 3 +	3.75	1
360/d - 360	3.75	1
(x + 4)(360/	3.75	1
360/x - 360	3.75	1
360/(x + 4)	3.75	1
360/x=3+3	3.75	1
Root of eq	3.75	1
"x = - b ± √b	3.75	1
4x2+3x+5=	3.75	1
"X= - b ± √b	3.75	1
"X= - b ± √b	3.75	1
36x2 – 12a	3.75	1
36x^2-12ax	3.75	1
b^2-4ac=0	3.75	1
b^2-4ac=0	3.75	1
[2[k-12]]^2	3.75	1
[2[k-12]]^2	3.75	1
B^2-4ac=0	3.75	1
(K-12)x^2+	3.75	1
(x+1/x-1) +	3.75	1
(x+1/x-1) +	3.75	1
(x+1/x-1) +	3.75	1
Quadratic f	3.75	1
Solve for x:	3.75	1
Solve for x	3.75	1
x= 2/3 21=x	3.75	1
(x+1/x-1) +	3.75	1
(x+1/x-1) +	3.75	1
Given eqns	3.75	1
x2+kx +64=	3.75	1
For real ro	3.75	1
n2 +kn +64	3.75	1
x2+Kx +64	3.75	1
10a+b=4a+	3.75	1
Take equat	3.75	1
Given1/(x -	3.75	1

Given1/(x -	3.75	1
Roots are -	3.75	1
Q3) If A,B a	3.75	1
3) If A and	3.75	1
Given, 2x2	3.75	1
If -5 is the r	3.75	1
x^2+((a/a+	3.75	1
x^2+((a/a+	3.75	1
x^2+((a/a+	3.75	1
(a-b)x^2+ (	3.75	1
Q.E = (a-b)	3.75	1
B2-4AC=0 I	3.75	1
(a-b)x2+ (b	3.75	1
usual spee	3.75	1
Let the spe	3.75	1
t1 = 1500 h	3.75	1
Let usualsp	3.75	1
Speed = x S	3.75	1
speed = x i	3.75	1
9x2-3ax +1	3.75	1
9x2 - 3ax+1	3.75	1
If D=O 2 9x	3.75	1
9x2 -3ax+1	3.75	1
9x2-3ax+1	3.75	1
Given equa	3.75	1
For Quadra	3.875	1
Method 1 :	3.875	1
2/3 -3 =-7/	3.875	1
2/3 -3 = -7/	3.875	1
x=2/3 and -	3.875	1
Given,(K-12	3.875	1
(k-12)x^2+(	3.875	1
(2(k-12))^2	3.875	1
(2(k-12))^2	3.875	1
(x+1/x-1) +	3.875	1
(x+1/x-1) +	3.875	1
(x+1/x-1) +	3.875	1
(x+1/x-1) +	3.875	1
x = 2/3 x =	3.875	1
(x+1/x-1) +	3.875	1
x2+kx +64=	3.875	1
Given1/(x -	3.875	1
x = (-b ± √I	3.875	1
Q.3. of x, B	3.875	1
3) If A and	3.875	1
It not are e	3.875	1
9x2 3ax + 1	3.875	1

2x2 + 4x - 8	3.9375	1
2x2 + 4x - 8	3.9375	1
192/x = 19	4	1
360/x - 3 =	4	1
360/x * (- 3	4	1
360/x = 3 +	4	1
360/x - 360	4	1
360/n - 360	4	1
360/x - 360	4	1
y - 3 = 360/	4	1
360/x – 360	4	1
360/(x + 4)	4	1
Let expens	4	1
360/x = 3 +	4	1
360/x - 360	4	1
"X= - b ± √b	4	1
"4x2+3x+5=	4	1
36x2-12ax	4	1
36x2-12ax	4	1
36x2-12ax	4	1
36x2 - 12ax	4	1
(K-12)x + 2	4	1
(2(k-12))^2	4	1
B^2-4ac=0	4	1
(x+1/x-1) +	4	1
(x+1/x-1) +	4	1
Comparing	4	1
(x+1/x-1) +	4	1
Take Equat	4	1
b2 - 4ac>=	4	1
x2+kx +64=	4	1
n2 +kn +64	4	1
√3x2-2√2x-	4	1
10x+y=4(x+	4	1
10x+y=4(x+	4	1
Given1/(x -	4	1
Given 2x2 -	4	1
D = √ b2 - 4	4	1
Root 1 = -b	4	1
2x2 + 4x - 8	4	1
2x2 + 4x - 8	4	1
2x2 + 4x - 8	4	1
2x2 + 4x - 8	4	1
2x2 + 4x - 8	4	1
3. Given ec	4	1
If -5 is the r	4	1
substitute t	4	1

Q4) -5 is a r	4	1
If -5 is the r	4	1
2x2+px-15=	4	1
$(7P+2)^2$-4 (	4	1
$(7p+2)^2$ - 4(	4	1
(a-b)x +(b-(	4	1
(a-b)x2+(b-	4	1
Let the usu	4	1
Let the usu	4	1
usual spee	4	1
Let usual sp	4	1
Distance =	4	1
1500/x+10	4	1
D=O. 9k2 -1	4	1
9x2-3ax+1=	4	1
Given equa	4	1
9x2 - 3ax+1	4	1
36x2-12ax	4.125	1
36x2 - 12ax	4.125	1
36x2 - 12ax	4.125	1
Solve for x	4.125	1
A = 36, B =	4.125	1
36x2 – 12a	4.125	1
(K-12) X^2-	4.125	1
b^2-4ac=0	4.125	1
Sum of roo	4.125	1
[2(k-12)]^2	4.125	1
(k-12)x^2+1	4.125	1
(2(k-12))^2	4.125	1
(K-12)x^2+	4.125	1
X=2/3X=-3/	4.125	1
Applying -	4.125	1
(x+1/x-1) +	4.125	1
x = 2/3, - 3/	4.125	1
x2 kx +64 =	4.125	1
t1 = 1500 h	4.125	1
Distance 15	4.125	1
let usual sp	4.125	1
9x2 - 3ax +	4.125	1
9x2 - 3ax +	4.125	1
If x=2/3 , x	4.166667	1
Given -5 is	4.25	1
192/x - 192	4.25	1
360/x-360/	4.25	1
(x + 4)(360/	4.25	1
To find the	4.25	1
"x = - b ± √b	4.25	1

"x = - b ± √l	4.25	1
x= - 3 ± √9	4.25	1
36x2-12ax	4.25	1
36x 2 - 12a	4.25	1
$ax^2+7x+b=($	4.25	1
Given, x=2,	4.25	1
roots are e	4.25	1
D=b^2-4ac	4.25	1
$D= b^2-4ac =$	4.25	1
Equal roots	4.25	1
Solve (x+1/	4.25	1
(x+1/x-1) +	4.25	1
(x+1/x-1) +	4.25	1
(x+1/x-1) +	4.25	1
x2+kx+ 20	4.25	1
x2+kx +64=	4.25	1
b2-4ac>=0	4.25	1
x2+ kx+64	4.25	1
k2-4(1)(64)	4.25	1
√3x2-2√2x-	4.25	1
10x+y=4(x+	4.25	1
10x+y=4(x+	4.25	1
10x+y=4(x+	4.25	1
10x+y=4(x+	4.25	1
Given1/(x -	4.25	1
2x2 + 4x - 8	4.25	1
p^2 - q^2 =	4.25	1
d= = 6 + 36	4.25	1
t=-30+t =-0	4.25	1
Distance=1	4.25	1
speed = x k	4.25	1
9x2 - 3ax +	4.25	1
360/x - 360	4.333333	1
Comparing	4.375	1
36x2-12ax	4.375	1
36x2 - 12ax	4.375	1
36x2 - 12ax	4.375	1
ax^2+7x+b	4.375	1
x=2/3 , x=-	4.375	1
$ax^2+7x+b=($	4.375	1
a4/9 + 14/	4.375	1
Given equa	4.375	1
b2-4ac=0[2	4.375	1
(K-12)x^2+	4.375	1
(k-12)x^2+	4.375	1
B^2-4ac=0	4.375	1
(k-12)(x^2+	4.375	1

X=-2(k-12)√	4.375	1
(x+1/x-1) +	4.375	1
b^2-4ac=0	4.375	1
1500/(x+1(	4.375	1
Given 9x2 -	4.375	1
2x2+px-15=	4.5	1
2x2+px-15=	4.5	1
p(x2+x)+k=	4.5	1
2x2+px-15=	4.5	1
t =192/x+1	4.5	1
192/4 - 192	4.5	1
192/x - 192	4.5	1
(192x+30+2	4.5	1
t1= 192/xt2	4.5	1
192=x(t+2)	4.5	1
t1= 192/xt2	4.5	1
t1= 192/xt2	4.5	1
t(passange	4.5	1
for passang	4.5	1
t(passange	4.5	1
avg speed =	4.5	1
192/x - 192	4.5	1
t(passange	4.5	1
360/d - 360	4.5	1
360/x-360/	4.5	1
extended t	4.5	1
360/x - 3 =	4.5	1
360/x - 3 =	4.5	1
360/x - 3 =	4.5	1
x = - b ± √b	4.5	1
"x= - 3 ± √9	4.5	1
"x = - b ± √b	4.5	1
A=4 ; b=3 ;	4.5	1
Question 7	4.5	1
Solve 36x^	4.5	1
36x2-12ax	4.5	1
Applying -	4.5	1
Solve for x:	4.5	1
Given Equa	4.5	1
3b * x2 = 1	4.5	1
3b x 2 = 12	4.5	1
x=2/3x=-3a	4.5	1
x=2/3 and x	4.5	1
Given roots	4.5	1
roots-> x=-	4.5	1
(K-12)x^2 +	4.5	1
(K-12)x^2+	4.5	1

Roots equa	4.5	1
Given Eqn,	4.5	1
Given Equa	4.5	1
(x+1/x-1) +	4.5	1
(x+1/x-1) +	4.5	1
(x+1/x-1) +	4.5	1
(x+1/x-1) +	4.5	1
n2 +kn +6	4.5	1
$(7P+2)^2$ -4 (	4.5	1
Usual Spee	4.5	1
36x2-12ax	4.625	1
Comparing	4.625	1
Quadratic	4.625	1
36x2 - 12a	4.625	1
Solve for 3	4.625	1
Given, x= 2	4.625	1
Factors = (	4.625	1
-5 is The r	4.75	1
-5 is the ru	4.75	1
-5 is root c	4.75	1
-5 is the r	4.75	1
sum of roo	4.75	1
a=-5 2x2+	4.75	1
x=-5 root o	4.75	1
2x2+px-15=	4.75	1
2x2+px-15=	4.75	1
192/(a+16)	4.75	1
192/x - 192	4.75	1
192/x - 192	4.75	1
192/(x+16)	4.75	1
distance=s	4.75	1
192/x - 192	4.75	1
192=x(t+2)	4.75	1
t(passange	4.75	1
avg speed =	4.75	1
speed of P	4.75	1
distance =	4.75	1
speed of P	4.75	1
speed of P	4.75	1
speed of P	4.75	1
distance =1	4.75	1
360/x - 360	4.75	1
Duration=x	4.75	1
360/(x + 4)	4.75	1
360/(x + 4)	4.75	1
360/(x + 4)	4.75	1
dx=360(d+	4.75	1

360/x = 36(	4.75	1
TOT=360T =	4.75	1
360/x - 3 =	4.75	1
(x + 4)(360/	4.75	1
D = b2 - 4a(	4.75	1
x= - b ± √b2	4.75	1
Root of eq	4.75	1
Roots = - b	4.75	1
"Roots = - b	4.75	1
"x = - b ± √b	4.75	1
"X = - (- 12a	4.75	1
36x2 - 12ax	4.75	1
(x - 2/3) (x	4.75	1
x=2/3 , x =	4.75	1
Given two	4.75	1
x=2/3 ;x = -	4.75	1
x=2/3 , x =	4.75	1
Roots are e	4.75	1
(k-12)^2 +2	4.75	1
(x+1/x-1) +	4.75	1
n2 +kn +64	4.75	1
n2 +kn +64	4.75	1
Taking usua	4.75	1
36x2-12ax	4.875	1
$ax^2+7x+b=($	4.875	1
x=2/3 & x=	4.875	1
Given that	4.875	1
D= 1500km	5	1
2xr +px-15=	5	1
since, -5 is	5	1
2x2+px-15=	5	1
2x2+px-15=	5	1
root = -5 2x	5	1
Given 2x2+	5	1
SOLUTION	5	1
2x2+px-15=	5	1
2x2+px-15=	5	1
a=-5 2x2+p	5	1
-5 is a root	5	1
a=-5 2x2+p	5	1
Given equ	5	1
2x2+px-15=	5	1
2x2+px-15=	5	1
root = -5 2x	5	1
Question 3	5	1
2x2+px-15=	5	1
Given, 2x2-	5	1

2x2+px-15=	5	1
Given : 2x2	5	1
Given 2x2+	5	1
360/x - 360	5	1
Duration of	5	1
360/t - 360	5	1
total =360c	5	1
360/(x + 4)	5	1
36x 2 - 12a	5	1
D = b2 - 4a	5	1
"36x2-12ax	5	1
x = - b ± √(b	5	1
"W.K.T,x = -	5	1
Roots = x =	5	1
By using th	5	1
Formula =	5	1
D= b2-4acA	5	1
x = - b ± √b	5	1
Using quac	5	1
D= b2-4acA	5	1
k2-4(1)(64)	5	1
for k^2 +kx	5	1
10x+y=4(x+	5	1
10x+y=4(x+	5	1
Let the nur	5	1
10x+y=4(x+	5	1
10a+b=3ab	5	1
10x + y = 4	5	1
4a + 4b = 1	5	1
10x + y = 4	5	1
(7P+2)²-4(2	5	1
(7p+2)²-4 (	5	1
(7P + 2)²-4(	5	1
(7P+2)² - 4(	5	1
(7p+2)² - 4(	5	1
(7p+2)²-4(2	5	1
49p² + 4 +	5	1
(7p+2)² - 4(	5	1
(7p+2)² - 4(	5	1
(7P+2)²-4 (	5	1
(7P+2)²- 4 (	5	1
(7p+ 2)² - 4	5	1
(7P+ 2)²-4(	5	1
(7p+2)²-4(2	5	1
(7P+2)²-4 (	5	1
(7p+2)² - 4(	5	1
49p²+ 4 + 2	5	1