

The Secret of Finding points of intersection of two functions on TI-84

Lesson 092 | Algebra II | Intersections of functions

<https://www.youtube.com/watch?v=9Pz11Fbzg4s>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01 Solve the system $y = x^2$ and $y = 10x - 21$.

02 Solve the system $y = x^2$ and $y = 18x - 80$.

03 Solve the system $y = x^2$ and $y = 15x - 50$.

The Secret of Finding points of intersection of two functions on TI-84

Lesson 092 | Algebra II | Intersections of functions

<https://www.youtube.com/watch?v=9Pz11Fbzg4s>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

04

Solve the system $y = x^2$ and $y = 13x - 36$.

05

Solve the system $y = x^2$ and $y = 20x - 91$.

06

Solve the system $y = x^2$ and $y = 13x - 22$.

The Secret of Finding points of intersection of two functions on TI-84

Lesson 092 | Algebra II | Intersections of functions

<https://www.youtube.com/watch?v=9Pz11Fbzg4s>

Original practice aligned to the saved video title.

01

Solve the system $y = x^2$ and $y = 10x - 21$.

Equate: $x^2 - (10)x + 21 = 0 = (x-7)(x-3)$. Points are (7,49) and (3,9).

02

Solve the system $y = x^2$ and $y = 18x - 80$.

Equate: $x^2 - (18)x + 80 = 0 = (x-8)(x-10)$. Points are (8,64) and (10,100).

03

Solve the system $y = x^2$ and $y = 15x - 50$.

Equate: $x^2 - (15)x + 50 = 0 = (x-10)(x-5)$. Points are (10,100) and (5,25).

The Secret of Finding points of intersection of two functions on TI-84

Lesson 092 | Algebra II | Intersections of functions

<https://www.youtube.com/watch?v=9Pz11Fbzg4s>

Original practice aligned to the saved video title.

04

Solve the system $y = x^2$ and $y = 13x - 36$.

Equate: $x^2 - (13)x + 36 = 0 = (x-4)(x-9)$. Points are (4,16) and (9,81).

05

Solve the system $y = x^2$ and $y = 20x - 91$.

Equate: $x^2 - (20)x + 91 = 0 = (x-7)(x-13)$. Points are (7,49) and (13,169).

06

Solve the system $y = x^2$ and $y = 13x - 22$.

Equate: $x^2 - (13)x + 22 = 0 = (x-2)(x-11)$. Points are (2,4) and (11,121).