

© www.formular1maths.com

Link to Solutions: https://youtu.be/3ku_YHnHcuQ

(b) Hence, or otherwise, find the exact solutions to $f(x) = 0$

② $10x - 16 - x^2 = p - (x + q)^2$, where p and q are integers.

© www.formular1maths.com

Link to Solutions: https://youtu.be/3ku_YHnHcuQ

(a) Find the value of p and the value of q

(b) Hence, or otherwise solve the equation $10x - 16 - x^2 = 0$

www.formular1maths.com www.formular1maths.com www.formular1maths.com www.formular1maths.com

www.formular1maths.com

www.formular1maths.com

www.formular1maths.com

www.formular1maths.com

www.formular1maths.com

www.formular1maths.com www.formular1maths.com www.formular1maths.com www.formular1maths.com

- ③ The equation $3x^2 + tx + 5t = 0$, where t is a non – zero constant, has equal roots.

© www.formular1maths.com

Link to Solutions: https://youtu.be/3ku_YHnHcuQ

Find t

www.formular1maths.com www.formular1maths.com www.formular1maths.com www.formular1maths.com

- ④ The equation $\frac{5 - x^2}{x + 3} = p$, where p is a constant, has a repeated real root.

Find the two possible values of p

© www.formular1maths.com

Link to Solutions: https://youtu.be/3ku_YHnHcuQ