

# Grade 11 Maths Paper 1

## June Exam preparation.

### Question 1.

1.1 The equation  $(x-2)(3x+4)=k$   
Solve for  $x$  as  $k=0$

1.2 Solve for  $x$ :

1.2.1  $\sqrt{2-x} = x+4$

1.2.2  $2x(x-3)=1$  (correct to one decimal place)

1.2.3  $\frac{x^2+4x+3}{x-1} > 0$

1.3 Solve for  $x$ :  
 $2x^2-3x=8$  (by completing the square)



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$$1,3 \quad \frac{2x^2}{2} - \frac{3x}{2} = \frac{8}{2}$$

$$x^2 - \frac{3}{2}x = 4$$

$$x^2 - \frac{3}{2}x + \left(\frac{1}{2}x - \frac{3}{2}\right)^2 = 4 + \left(\frac{1}{2}x - \frac{3}{2}\right)^2$$

$$\left(x - \frac{3}{4}\right)^2 = \frac{4}{1} + \frac{9}{16}$$

$$\frac{4 \times 16}{1 \quad 16}$$

$$\left(x - \frac{3}{4}\right)^2 = \frac{73}{16}$$

$$4 + 9$$

$$x - \frac{3}{4} =$$

$$\frac{73}{16}$$

# Grade 11 Mathematics Paper 1 June Exams

**Katrin Zwirglmaier**



## Grade 11 Mathematics Paper 1 June Exams:

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Parliamentary Debates (Hansard). Great Britain. Parliament. House of Commons,2010

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