

Starter
Factor and Solve.

13 FEB 2017

Complete the square

$$4x^2 + 12x - 16 = 0$$

$$4x^2 + 12x + 9 = 16 + 9$$

$4x^2$	$12x$	9
$2x$	3	3

$$\sqrt{(2x+3)^2} = \sqrt{25}$$

$$2x+3=5$$

$$2x=2$$

$$x=1$$

$$2x+3=-5$$

$$2x=-8$$

$$x=-4$$

$$4x^2 + 12x - 16 = 0$$

$$x^2 + 3x - 4 = 0$$

$$(x+4)(x-1) = 0$$

$$x+4=0$$

$$x=-4$$

$$x-1=0$$

$$x=1$$

20 point major grade
Write a one page paper on the topic

70% at least 6 sentences (higher if more)

80% at least 6 sentences and the use of at least 4 math terms

90-100% all of the above plus 2 additional sentences and the use of 3 additional math terms.

Page heading.

Name
February 13, 2017

Explain how you have used math outside of school.

- 1) $x^2 + 5x + 6 = 0$
- 2) $x^2 + 9x - 90 = 0$
- 3) $x^2 + 17x + 60 = 0$
- 4) $y^2 + 13y + 36 = 0$
- 5) $p^2 - 24p + 144 = 0$