

Completing the Square

$$V^2 + 6v - 59 = 0$$

$$V^2 + 6v + 9 = 59 + 9$$

$$(V+3)(V+3) = 68$$

$$(V+3)^2 = 68$$

$$\sqrt{V+3^2} = \sqrt{68}$$

$$V+3 = \pm \sqrt{68}$$

$$V = -3 \pm \sqrt{68}$$

$$-3 \pm \sqrt{4 \cdot 17}$$

$$-3 \pm 2\sqrt{17}$$

Jyous

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