

no more FUKA

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$$(1) v = v_0 + gt = 15 + 9.8 \times 3 = 44.4 \text{ m/s}$$

$$(2) y = v_0 t + \frac{1}{2} g t^2 = 15 \times 3 + \frac{1}{2} \times 9.8 \times (3)^2 = 89.1 \text{ m}$$