$\downarrow V_f = ?$

$$V_f^2 = V_i^2 + 2ay$$

$$V_f^2 = (20.0_{m/s})^2 + 2(-9.8_{m/s^2})(-30.0_m)$$

$$V_f^2 = 988 \ m^2/s^2$$

$$V_f = \sqrt{988 \ m^2/s^2}$$

$$V_f = -31.4 \ m/s$$

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