

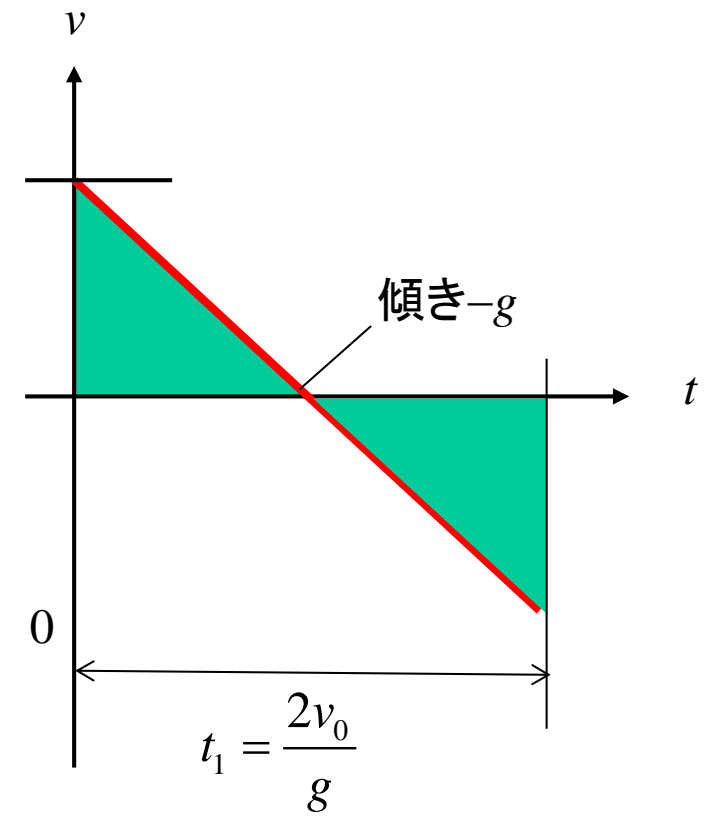
# 小テスト解答

Q1 (1)  $v_{0x}=43.3 \text{ m/s}$     $v_{0y}=25.0 \text{ m/s}$

$$v_{0y} = 25.0 \text{ m/s}$$

(2)  $5.10 \text{ s}$

(3)  $221 \text{ m}$

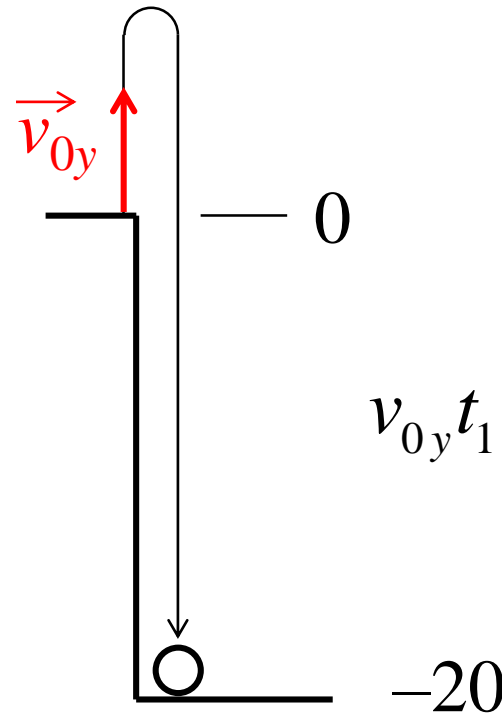


Q2 地面に落ちるまでの時間を求める.

$$t_1 = 2.78 \text{ s}$$

水平移動距離

$$2.78 \times 10 \cos(40) = 21.3 \text{ m}$$



$$v_{0y}t_1 - \frac{1}{2}gt_1^2 = -20$$