

Sample Quiz 2 – Answers

Please check these. Remember, I do make mistakes.

$$1. v_o = \sqrt{2 x_f g (\mu_k \cos \theta + \sin \theta)} = 48 \frac{\text{mi}}{\text{hr}}$$

$$2. d = \sqrt{\left(g \tan \theta \left(\frac{T}{2\pi} \right)^2 \right)^2 + h^2}$$

$$3. t_f = \sqrt{\frac{2(x_f \tan \theta - y_f)}{g}} = 2.57\text{s}$$

Concept Questions

- | | |
|------|-------|
| 1. a | 6. e |
| 2. e | 7. b |
| 3. d | 8. d |
| 4. a | 9. c |
| 5. b | 10. c |