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5. (a) 4/93 (b) 4/93

(a) 4/93 (b) 4/93

6. (a) 4/93 (b) 4/93

(a) 4/93 (b) 4/93

(a) 4/93 (b) 4/93

7. (a) 4/93 (b) 4/93

(a) 4/93 (b) 4/93

8. (a) 4/93 (b) 4/93

(a) 4/93 (b) 4/93

(a) 4/93 (b) 4/93

(a) 4/93 (b) 4/93

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(a) 4/93 (b) 4/93

9. (a)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$  (b)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$

(b)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$

(c)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$

10. (a)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$

11. (a)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$

12. (a)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$

13. (a)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$

14. (a)  $\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \mathbf{F} \cdot \mathbf{v}$

