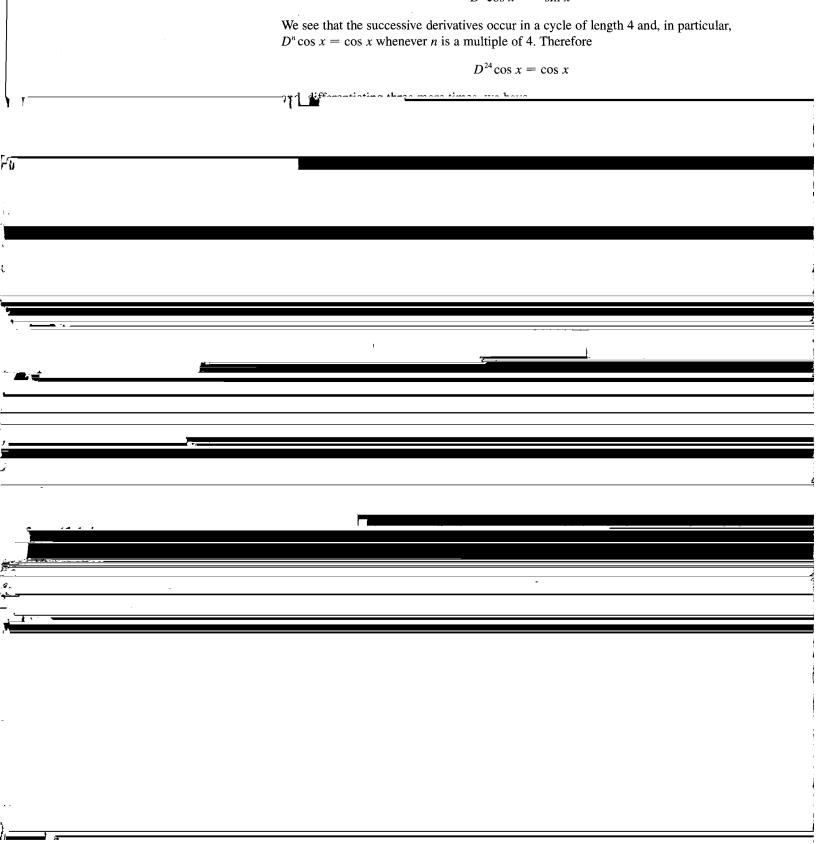
$$D^4\cos x = \cos x$$

$$D^5\cos x = -\sin x$$



	$(13.)y = \frac{x}{1-x}$	$14. \ \ y = xe^{cx}$	41. A car starts from rest and the graph of its position function is
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- A particle moves according to a law of motion  $s = f(t) = t^3 12t^2 + 36t$ ,  $t \ge 0$ , where t is measured in seconds and s in meters.
  - (a) Find the acceleration at time t and after 3 s.
- **57.** For what values of r does the function  $y = e^{rx}$  satisfy the equation y'' + 5y' 6y = 0?
- **58.** Find the values of  $\lambda$  for which  $y = e^{\lambda x}$  satisfies the equation  $\nu + \nu' = \nu''$