Find all possible functions with the given derivative.

(a) \( y' = 2x \)  
4 symbols, checksum=2

(b) \( y' = 2x - 1 \)  
6 symbols, checksum=2

(c) \( y' = 3x^2 + 2x - 1 \)  
9 symbols, checksum=5

Let \( s(t) \), \( v(t) \), \( a(t) \) be the position, velocity and acceleration of a point on the \( y \)-axis at time \( t \).
\( a(t) = 10 \), \( v(0) = -3 \), \( s(0) = 0 \). Find the position \( s(t) \) at any time \( t \).  
Hint: first find \( v \), then find \( s \).  
6 symbols, checksum=10

Let \( s(t) \), \( v(t) \) be the position and velocity of a point on the \( y \)-axis at time \( t \). \( v(t) = 32t - 2 \), \( s(1) = 4 \). Find the position \( s(t) \) at any time \( t \).  
10 symbols, checksum=12