Integration by Substitution - Key

In problems 1-10, find the indefinite integral

1. $\dfrac{1}{6}(8x+2)^6 + C$	2. $\dfrac{1}{9}(x^2-3)^9 + C$
3. $\dfrac{1}{5}\left(x^2-4x+2\right)^5 + C$	4. $\dfrac{2}{3}\left(3x^2-7x+2\right)^{3/2} + C$
5. $\dfrac{1}{56}(8x+5)^7 + C$	6. $\dfrac{4}{33}(3x-4)^{11} + C$
7. $\dfrac{-1}{24(2x^2-4x+1)^6} + C$	8. $\dfrac{5}{48}(8x-1)^{6/5} + C$
9. $\dfrac{3}{4}(8x-1)^{2/3} + C$	10. $\dfrac{8}{21}(3x-2)^{7/8} + C$