Find $\frac{dy}{dx}$ for each.

1. $y=\left(2x-5\right)^{5}$
2. $y=\left(cosx\right)^{7}$
3. $y=\left(10x^{2}-5x-3\right)^{4}$
4. $y=\left(tanx\right)^{8}$
5. $y=\left(secx\right)^{3}$
6. $y=\left(4x-\sqrt{x}\right)^{10}$
7. $y=\frac{1}{\left(5x-2\right)^{5}}$
8. $y=\left(x-5\right)^{^{3}/\_{5}}$
9. $y=\sqrt{8x-3}$
10. $y=\frac{1}{sin^{5}x}$