Differentiation Exercises, Find dy/dx for the blow problems

1. $y=x^{5}tanx$
2. $y=\frac{2-x}{3x-1}$
3. $y=\sqrt{3-2x}$
4. $y=\frac{2}{(5x+1)^{3}}$
5. $y=x^{\frac{2}{3}}-4x^{0.5}-2$
6. $y=2\sqrt{x}-\frac{1}{2\sqrt{x}}$
7. $y=\sqrt{x^{2}-2x+1}$
8. $y=\frac{x^{2}}{cosx}$
9. $ln(\frac{e^{x}}{e^{x}-1})$
10. $y=tan^{-1}\frac{x}{2}$
11. $y=ln(\sec(x+tanx))$
12. $y=\frac{e^{x}-e^{-x}}{e^{x}+e^{-x}}$
13. $y=ln(\sqrt{x^{2}-1})$
14. $y=\frac{1}{sinx}$
15. $y=\frac{1}{2sin2x}$
16. $y=e^{-x}cos2x$
17. $y=sec^{2}(x)$
18. $y=x^{3}ln^{3}x$
19. $y=\frac{1+x^{2}}{1-x^{2}}$
20. $y=sin^{-1}x-\sqrt{1-x^{2}}$