51. a) 
$$270^{4} + 70^{4} = \boxed{340^{3}}$$
 c)  $11 - \frac{11}{7} = \boxed{61/7}$  c)  $-276 = \frac{1}{7} = \boxed{7}$  if  $10^{4} = \boxed{10}$  c)  $-276 = \frac{1}{7} = \boxed{10}$  c)  $277 - \frac{3117}{18} = \boxed{51/8}$  c)  $-(11 - \frac{1577}{18}) = \frac{2777}{18}$  53. a)  $10^{5} - 10^{5} = 20^{5}$  c)  $45^{5} - 10^{5}$  d)  $45^{5}$ 

c) cosd = 1/3 tand = 21/5 3) cosd = - 1/2 sind = -1/2