7		Review # 2
1.	(0.25) 1/2	2. (-27) 1/3
	V 0.25	3-27
	0.5	-3
•	$(\frac{256}{625})^{1/4}$ $(\frac{256}{625})^{1/4}$ $\frac{4}{625}$ $\frac{4}{5}$	4. $(-243)^{0.6}$ $(-243)^{4/10}$ $(-243)^{3/5}$ $\sqrt[3]{-243}^{3}$ $(3)^{3}$ $-27$

6. $\frac{12 \rho}{15 \rho} \frac{3}{9} \frac{-7}{6}$ $\frac{4 \rho^2}{5} \frac{9}{9} \frac{13}{3}$	7. $\left(\frac{36x^{4}y^{3}}{4x^{8}y^{-1}}\right)^{1/2}$ $\left(\frac{9x^{-4}y^{4}}{x^{8}y^{-1}}\right)^{1/2}$ $\left(\frac{9x^{-4}y^{4}}{x^{2}y^{4}}\right)^{1/2}$ $\left(\frac{9x^{-4}y^{4}}{x^{2}y^{2}}\right)^{1/2}$ $\left(\frac{9x^{2}y^{2}}{x^{2}y^{2}}\right)^{1/2}$ $\left(\frac{9x^{2}y^{2}}{x^{2}y^{2}}\right)^{1/2}$ $\left(\frac{9x^{2}y^{2}}{x^{2}y^{2}}\right)^{1/2}$ $\left(\frac{9x^{2}y^{2}}{x^{2}}\right)^{1/2}$ $\left(\frac{9x^{2}y^{2}}{x^{2}}\right)^{1/2}$ $\left(\frac{9x^{2}y^{2}}{x^{2}}\right)^{1/2}$ $\left(\frac{9x^{2}y^{2}}{x^{2}}\right)^{1/2}$
8. $\sqrt{\left(\frac{3}{4}\right)^9}$ $\left(\frac{3}{4}\right)^{9/2}$	9. $0.16^{\frac{5}{2}}$ $(\sqrt{0.16})^5$ $(0.4)^5$ $0.01024$

11. $(64a^{12}b^{15})^{2/3}$ $64^{2/3}a^{2/3}b^{3/3}$ $64^{2/3}a^8b^{10}$ $364^2a^8b^{10}$ $4^2a^8b^{10}$ $16a^8b^{10}$	$12. \left(-\frac{8}{5}\right)^{\frac{7}{4}} \left(-\frac{8}{5}\right)^{\frac{9}{4}}$ $\left(-\frac{8}{5}\right)^{\frac{8}{4}} \qquad \frac{7}{4} + \frac{4}{4}$ $\left(-\frac{8}{5}\right)^{2} \qquad = 2$ $= \frac{64}{25}$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

15. 
$$(\frac{3}{4})^{5/6}$$

16.  $(\sqrt[3]{0.9})^{7}$ 

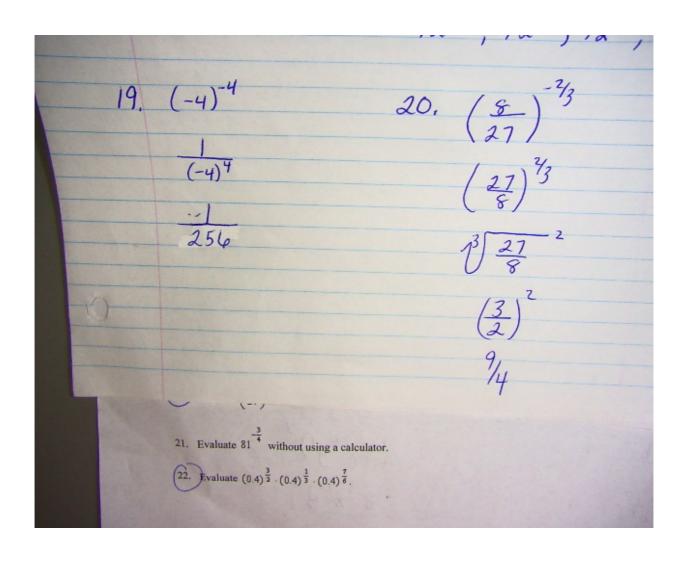
0.9<sup>7/6</sup>

17.  $(-64)^{2/3}$ 

18.  $(-44)^{2/3}$ 

18.  $(-4)^{2}$ 

12<sup>4</sup>,  $\sqrt{0.27}$ ,  $\sqrt{2}$ 



21. 
$$81$$

22.
$$\frac{1}{81^{314}}$$
(0.4)  $\frac{3}{2}$ . (0.4)  $\frac{3}{3}$ . (0.4)
$$\frac{1}{81^{314}}$$
(Add exponents)
$$\frac{3}{2} + \frac{1}{3} + \frac{7}{6}$$
(0.4)  $\frac{9}{6} + \frac{7}{6} + \frac{7}{6}$ 
(0.4)  $\frac{1}{3}$ 
(0.4)  $\frac{1}{3}$ 
(0.4)  $\frac{1}{3}$ 
(0.4)  $\frac{3}{3}$ 
(0.4)  $\frac{3}{3}$ 
(0.4)  $\frac{3}{3}$ 
(0.6)  $\frac{1}{3}$ 

