

DIRECTIONS: Simplify.

1.  $81^{\frac{1}{2}}$

2.  $27^{\frac{1}{3}}$

3.  $49^{-\frac{1}{2}}$

4.  $32^{-\frac{1}{5}}$

5.  $4^{\frac{3}{2}}$

6.  $27^{\frac{2}{3}}$

7.  $16^{\frac{3}{4}}$

8.  $25^{-\frac{3}{2}}$

9.  $(-125)^{\frac{-1}{3}}$

10.  $(-32)^{\frac{-3}{5}}$

11.  $4^{-0.5}$

12.  $(\frac{4}{9})^{-1.5}$

13.  $-8^{\frac{2}{3}}$

14.  $-9^{\frac{3}{2}}$

15.  $(5^{\frac{1}{3}})^{-3}$

16.  $(7^{\frac{2}{3}})^3$

17.  $(16^{-5})^{\frac{1}{20}}$

18.  $(27^4)^{\frac{-1}{12}}$

19.  $(9^{\frac{1}{2}} + 16^{\frac{1}{2}})^2$

20.  $(8^{\frac{2}{3}} - 8^{\frac{1}{3}})^3$