

Name : _____

Score : _____

Teacher : _____

Date : _____

Evaluate the Exponents

1) $(81)^{\frac{1}{4}}$ = _____

11) $(-7)^{-3}$ = _____

2) $(-9)^{-3}$ = _____

12) $(9)^0$ = _____

3) $(27)^{-\frac{1}{3}}$ = _____

13) $(10)^{-1}$ = _____

4) $(-4)^{-3}$ = _____

14) $(32)^{-\frac{1}{5}}$ = _____

5) $(-3)^{-4}$ = _____

15) $(32)^{\frac{1}{5}}$ = _____

6) $(4)^3$ = _____

16) $(36)^{-\frac{1}{2}}$ = _____

7) $(625)^{\frac{1}{4}}$ = _____

17) $(16)^{-\frac{1}{2}}$ = _____

8) $(81)^{\frac{1}{4}}$ = _____

18) $(16)^{\frac{1}{4}}$ = _____

9) $(64)^{-\frac{1}{3}}$ = _____

19) $(5)^4$ = _____

10) $(-5)^4$ = _____

20) $(-10)^2$ = _____



Name : _____

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Evaluate the Exponents

1) $(81)^{\frac{1}{4}} = \underline{3}$

11) $(-7)^{-3} = \underline{-\frac{1}{343}}$

2) $(-9)^{-3} = \underline{-\frac{1}{729}}$

12) $(9)^0 = \underline{1}$

3) $(27)^{-\frac{1}{3}} = \underline{\frac{1}{3}}$

13) $(10)^{-1} = \underline{\frac{1}{10}}$

4) $(-4)^{-3} = \underline{-\frac{1}{64}}$

14) $(32)^{-\frac{1}{5}} = \underline{\frac{1}{2}}$

5) $(-3)^{-4} = \underline{\frac{1}{81}}$

15) $(32)^{\frac{1}{5}} = \underline{2}$

6) $(4)^3 = \underline{64}$

16) $(36)^{-\frac{1}{2}} = \underline{\frac{1}{6}}$

7) $(625)^{\frac{1}{4}} = \underline{5}$

17) $(16)^{-\frac{1}{2}} = \underline{\frac{1}{4}}$

8) $(81)^{\frac{1}{4}} = \underline{3}$

18) $(16)^{\frac{1}{4}} = \underline{2}$

9) $(64)^{-\frac{1}{3}} = \underline{\frac{1}{4}}$

19) $(5)^4 = \underline{625}$

10) $(-5)^4 = \underline{625}$

20) $(-10)^2 = \underline{100}$

