

I'm not robot!

Exponents Worksheet

Solve.

1 a. 0.6^{-2}	1 b. $\left(\frac{1}{8}\right)^0$
2 a. 9^{-1}	2 b. 1^0
3 a. $\left(\frac{1}{5}\right)^0$	3 b. 0.2^{-3}
4 a. 0.4^0	4 b. 7^{-2}
5 a. $\left(\frac{1}{2}\right)^{-1}$	5 b. 10^{-8}
6 a. $\left(\frac{4}{5}\right)^0$	6 b. $\left(\frac{1}{2}\right)^{-2}$
7 a. 0.3^{-3}	7 b. 0.5^5

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Multiply and Divide by Negative Powers of Ten (A)

Find each product or quotient.

- | | |
|-----------------------|-----------------------|
| $33 \times 10^{-3} =$ | $68 \div 10^{-1} =$ |
| $82 \div 10^{-3} =$ | $22 \div 10^{-3} =$ |
| $76 \div 10^{-3} =$ | $31 \div 10^{-1} =$ |
| $72 \div 10^{-3} =$ | $29 \times 10^{-3} =$ |
| $28 \times 10^{-2} =$ | $32 \times 10^{-2} =$ |
| $56 \times 10^{-1} =$ | $20 \div 10^{-3} =$ |
| $33 \div 10^{-3} =$ | $77 \times 10^{-3} =$ |
| $74 \times 10^{-3} =$ | $5 \div 10^{-3} =$ |
| $74 \div 10^{-2} =$ | $84 \times 10^{-2} =$ |
| $7 \div 10^{-1} =$ | $16 \times 10^{-3} =$ |

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Positive/Negative Exponents & Variables

Simplify the following:

- 1) $(3a^2)^3$ 2) $(2b^3)^2$ 3) $(-2c^3)^{-2}$ 4) $(-4d^2)(-5^{-3})$
- 5) $(3e^2)(-2e^0)^2$ 6) $(-8f^2)(fg^{-2})$ 7) $h^{-2}(h^3)^3)^4(-jk)^5$ 8) $(3k^2lm)^{-2}(l^2m)^0$
- 9) $\frac{6p^1q^2}{4pq^{-2}}$ 10) $\frac{a^3b^2c^{-1}}{b^2cd^{-3}}$ 11) $\frac{-2m^5v^{10}}{(4t^2v)^2}$ 12) $\frac{5r(a^0b)^{-3}}{(5at^2)^3}$
- 13) $\frac{(x^2y^{-2})(3xy)}{(xy^2)^2(6x^2y)}$ 14) $\frac{(7x^9y^8)^0(3xy^2)^{-2}}{-2(6x^2)(xy^2)}$ 15) $\frac{(a^2b^4)^3}{(ab)^{-2}} \div \frac{(ab^{-1})}{(a^0b)^3}$ 16) $\frac{def}{(d^2e^3f)^{-1}} \div fed$

Simple Linear Equations (A) Answers

- 1) $\frac{1}{2}x + \frac{3}{4}y = -10$ 2) $\frac{1}{3}x + \frac{1}{4}y = 10$ 3) $\frac{1}{2}x + \frac{3}{4}y = -10$
- 4) $\frac{1}{2}x + \frac{3}{4}y = -10$ 5) $\frac{1}{3}x + \frac{1}{4}y = 10$ 6) $\frac{1}{2}x + \frac{3}{4}y = -10$
- 7) $\frac{1}{2}x + \frac{3}{4}y = -10$ 8) $\frac{1}{3}x + \frac{1}{4}y = 10$ 9) $\frac{1}{2}x + \frac{3}{4}y = -10$
- 10) $\frac{1}{2}x + \frac{3}{4}y = -10$ 11) $\frac{1}{3}x + \frac{1}{4}y = 10$ 12) $\frac{1}{2}x + \frac{3}{4}y = -10$
- 13) $\frac{1}{2}x + \frac{3}{4}y = -10$ 14) $\frac{1}{3}x + \frac{1}{4}y = 10$ 15) $\frac{1}{2}x + \frac{3}{4}y = -10$

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Pre-Algebra

Name

Date

Period

Negative Exponents

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Simplify. Your answer should contain only positive exponents.

1) $6a^{-3}$

3) $2m^{-2}$

5) $3x^{-3}$

7) $4r^{-3}$

9) $3n^{-2}$

11) $2v^{-3}$

13) p^{-3}

15) $4x^{-1}$

17) $7b^{-1}$

19) x^{-2}

21) $8a^{-3}$

23) $2n^{-4}$

25) $6x^{-2}$

27) $2x^{-4}y^2$

29) $2x^{-2}y^4$

31) $4yx^{-1}$

33) a^3v^{-1}

35) $5u^2v^{-1}$

2) x^{-4}

4) $7p^{-2}$

6) $5a^{-3}$

8) x^{-1}

10) $5a^{-4}$

12) $5a^{-1}$

14) $5k^{-2}$

16) $8a^{-1}$

18) $3v^{-1}$

20) $4n^{-4}$

22) $2k^{-1}$

24) $6r^{-1}$

26) $5n^{-1}$

28) $6m^{-4}n^{-2}$

30) $7x^{-2}y^2$

32) $8x^{-3}y^3$

34) $3x^{-2}y^4$

36) $8x^{-1}y^{-3}$

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Or agbegla etaler smelborp drow .Wollof ot Ysae erpmaxe dna .eaugunal elpmis by Denialpxe Era Stpecnoc yes .stnures ruoy ot otlá tlatni ngalp twiffo sab sabebo smel smels sabebo arbas sbrebo steehskrow fo yteirav erom neve etaerc ot woleb rotareneg eht esU .wodniw resworb ruoy ni egap teehskrow eht hserfer ylpmis :tamrof lmtH .niaga nottub eht hsup dna egap siht ot kcab emoc :tamrof FDP .:snoitpo emas eht gnisu teehskrow tneretfid a teg oT .niaga yrt Tsuj .tnaw uoy tahw yltxaxe ton teehskrow detaraneg eht Setimos .Margorp gnissecorp padrow rehto ro row ti tide neht dna Jevaa á 8 á ELIDS ES000HC .“teehskrow lmtH ekaM” ro “resworb ni weiV” nottub eht hsup .tamrof lmtH ni teehskrow eht teg oT .“teehskrow FDP ekaM” ro “FDP etaerC” deltit nottub eht hsup ylpmis .teehskrow FDP eht teg oT .tnirp ot ysae era Htob á 6 á 6 Tamrof FDP RO lmtH ni rehtie steehskrow eht etaroneg nac uoY .elif eht fo egap dnoces eht no decalp si dna detareneg yllacitamotua si yek rewsna eht .euginu suht dna detareneg ylmodnar si teehskrow hcaE steehskrow eht rfo snoitcurtsni cisaB .egap siht nwod rotareneg eht eeS .sesab sa srebmun evitagen ro .slamiced .snoitcarf esu ot esoohc osla nac uoY .smelborp eht dnuora redrob dna .ecapskrow fo tnuoma .smelborp fo rebmun eht edulcni snoitPO .teehskrow eht fo tuoyal tcaxe eht esoohc dna flesruoy steehskrow eht ekam osla nac uoY .jesruoc arbegla na The decitcarp of hcusi(Dedulcni ton Era Stnenopxe htiw selbairav :eton .sedarg ht9 dna ht8 Desu yllacipyrt era steehskrow Eseht . nac steehkrow eht .Seroc Arbegla arbegla dna 9-8 seadarg á 6 á 6TMs stroke snenopxe orez dna eviagten gnicitcarp steehskrow eerf eerf tnenopxe orez dnenopxe Situations, helping students understand abstract concepts. Students develop understanding, solving equivalent equations and inequalities before formal solutions are introduced. Students start their study of the A nalgebra in books 1-4 Using only non-integer. The 5-7 books introduce numbers and rational expressions. Books 8-10 extend the coverage to the reais no. => Learn more Spreadsheets live> finish in English !! ,Allow access to the microphone, look at the top of your web browser. If you come a message requesting permissions to access the microphone, allow it. Close Algebra Help -Calculators, Classes, and Spreadsheets of Aid, Problems and Solutions Elementary Mathematical helps Geometry helps the mathematics of statisticals and probability Pron © -Salgebra Mathemontic helps help the help pr8 -Calculus, problems and Trigonometry / Algebra Solutions 2 Helps copy cotton swab - 2021 k5 k5 á LGEBRA LEARNING HELP - CALCULATORS, LOCKS AND SEPLANES HELP, PROBLEMS AND SOLUTIONS ELEMENTARY MATHERMANCE GEOMETRY HELPS TO HELP TO Matenaticos of statisticals and probability prtledy -they released the help of mathematics pron © --Calculus, problems and solutions trigonometry / A nalgebra 2 aid