



Section III. Solve

✓ 15. $8^2 = 64$

✓ 16. $(-8)^2 = 64$
 $-8 \times -8 = 64$

✓ 17. $8^{-2} = \frac{1}{64} = \frac{1}{8^2}$

✓ 18. $(-2)^5 = -32$

✓ 19. $2^5 = 32 = \frac{1}{2^5}$

✓ 20. $2^5 = 32$

✓ 21. $3^{-4} = \frac{1}{81} = \frac{1}{3^4}$

✓ 22. $(-3)^4 = 81$

23. $(-3)^4 = 81$

✓ 24. $4^3 = 64$

✓ 25. $(-4)^3 = -64$

✓ 26. $4^{-3} = \frac{1}{64} = \frac{1}{4^3}$

✓ 27. $13^2 = 169$

✓ 28. $(-13)^2 = 169$

29. $(-13)^{-2} = \frac{1}{169} = \frac{1}{(13) \times (13)}$

✓ 30. $-25^{-2} = -\frac{1}{625}$

31. $(-25)^{-2} = \frac{1}{625}$

✓ 32. $(-25)^2 = 625$



Section III. Solve

✓ 15. $8^2 = 64$

✓ 16. $(-8)^2 = 64$

✓ 17. $8^{-2} = \frac{1}{64}$

$\frac{13}{18}$

18. $(-2)^5 = -32$
 $-2 \cdot -2 \cdot -2 \cdot -2 \cdot -2$
 $4 \cdot -8 = 16 = -32$

✓ 19. $2^{-5} = \frac{1}{32}$
 $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

✓ 20. $2^5 = 32$

21. $3^{-4} = \frac{1}{81}$
 $3 \cdot 3 \cdot 3 \cdot 3$

✓ 22. $(-3)^4 = 81$
 $-3 \cdot -3 \cdot -3 \cdot -3$

✓ 23. $(-3)^4 = 81$

24. $4^3 = 64$

25. $(-4)^3 = -64$

26. $4^{-3} = \frac{1}{64}$

✓ 27. $13^2 = 169$

✓ 28. $(-13)^2 = 169$

✓ 29. $(-13)^{-2} = \frac{1}{169}$

30. $-25^{-2} = -\frac{1}{625}$

✓ 31. $(-25)^{-2} = \frac{1}{625}$

✓ 32. $(-25)^2 = 625$

$\begin{array}{r} 27 \\ \times 3 \\ \hline 81 \end{array}$

$\begin{array}{r} 16 \\ \times 3 \\ \hline 48 \end{array}$

$\begin{array}{r} 13 \\ \times 13 \\ \hline \end{array}$

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