

Exponents

$(-2)^4$ <p style="text-align: center;">↓</p> <p>The base is -2.</p> $(-2)(-2)(-2)(-2) = 16$ <p style="font-size: small; text-align: center;">www.worksheetsdirect.com</p>	<p><u>vs.</u></p>	-2^4 <p style="text-align: center;">↓</p> <p>The base is 2.</p> $-(2 \cdot 2 \cdot 2 \cdot 2) = -16$ <p style="text-align: center;">The opposite of....</p>
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Evaluate each expression when $x = 10$.

1. $-(x)^3 =$ _____ 2. $-(x)^1 =$ _____

3. $-(x)^2 =$ _____ 4. $x^2 =$ _____

Evaluate each expression when $x = -9$.

5. $x^3 =$ _____ 6. $x^2 =$ _____

7. $-(x)^3 =$ _____ 8. $-(x)^2 =$ _____

Evaluate each expression when $x = 6$.

9. $x^2 =$ _____ 10. $x^3 =$ _____

11. $-(x)^2 =$ _____ 12. $=$ _____

Evaluate each expression when $x = -7$.

13. $-(x)^2 =$ _____ 14. $x^3 =$ _____

15. $-(x)^1 =$ _____ 16. $-(x)^3 =$ _____

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$(-2)^4$ <p style="text-align: center;">↓</p> <p>The base is -2.</p> $(-2)(-2)(-2)(-2) = 16$ <p style="font-size: small; text-align: center;">www.worksheetsdirect.com</p>	<p><u>vs.</u></p>	-2^4 <p style="text-align: center;">↓</p> <p>The base is 2.</p> $-(2 \cdot 2 \cdot 2 \cdot 2) = -16$ <p style="text-align: center;">The opposite of....</p>
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Evaluate each expression when $x = 10$.

1. $-(x)^3 = \underline{-1,000}$

2. $-(x)^1 = \underline{-10}$

3. $-(x)^2 = \underline{-100}$

4. $x^2 = \underline{100}$

Evaluate each expression when $x = -9$.

5. $x^3 = \underline{-729}$

6. $x^2 = \underline{81}$

7. $-(x)^3 = \underline{729}$

8. $-(x)^2 = \underline{-81}$

Evaluate each expression when $x = 6$.

9. $x^2 = \underline{36}$

10. $x^3 = \underline{216}$

11. $-(x)^2 = \underline{-36}$

12. $= \underline{216}$

Evaluate each expression when $x = -7$.

13. $-(x)^2 = \underline{-49}$

14. $x^3 = \underline{-343}$

15. $-(x)^1 = \underline{7}$

16. $-(x)^3 = \underline{343}$