

Evaluating Expressions with Integers

Integer Exponents

a. Evaluate $(-2)^2$.

b. Evaluate -5^2 .

Evaluate $(-4)^3$.

Evaluate the expression.

9. $(-3)^2$

10. $(-2)^3$

11. -7^2

12. -6^3

Order of Operations with Negatives

$$3(4 - 7) - (-6)$$

$$8 - (-4)^2 - 5$$

$$(-3)^2 * (5 - 7)^2 - (-9) \div 3$$

$$\frac{(-6 + 3) * 2}{[5 - 3(2 + 1)]}$$

Evaluating Expressions with Integers

Evaluating an Expression

Evaluate $10 - x^2 \div y$ when $x = 8$ and $y = -4$.

Evaluate the expression when $a = -18$ and $b = -6$.

7. $a \div b$

8. $\frac{a+6}{3}$

9. $\frac{b^2}{a} + 4$

You measure the height of the tide using the support beams of a pier. Your measurements are shown in the picture. What is the mean hourly change in the height?

