

Lesson 21: Write and Evaluate Algebraic Expressions with Order of Operations

Homework

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Name _____ **Date** _____**Directions:** Write a verbal or algebraic expression for numbers 1 - 4.

1. $3x + 4$

2. $10 \div (x - 2)$

3. Five times the quantity of seven plus a number

4. Twelve divided by a number subtracted from four

5. What is the difference between an algebraic expression and an algebraic equation?

6. Fred is going to a carnival. There is an \$8 entrance fee, and rides cost \$3 a piece. Write an algebraic expression that will give the amount of money Fred spent if he rode r number of rides.

7. If Fred rode 13 rides, how much money did he spend?

8. Evaluate the following if $x = 7$ and $y = \frac{3}{4}$: $6x + 12y$ 9. Evaluate the following if $p = 15$: $500 - p^2$ 10. The formula $A = 0.5bh$ will give the area of a triangle. What is the area of the triangle if the base, b , is 18 in. and the height, h , is 20 in.?