

**Jefferson Township Public Schools**

**Summer Assignment for students entering 8th grade Math.**

**This assignment will count as a formative assessment and**

**is due on Friday, September 6, 2019.**

### One and Two Step Equations

Directions: Solve each equation for the missing variable.

|                      |                          |
|----------------------|--------------------------|
| $23g = 161$          | $\frac{n}{21} = 63$      |
| $m + 10 = 37$        | $n - 8 = -11$            |
| $3x - 5 = 7$         | $0.5x + 6 = -4$          |
| $10 = \frac{x-2}{5}$ | $-\frac{1}{3}x + 2 = -2$ |

### Distributive Property and Combining Like Terms

Directions: Use the distributive property and combining like terms to simplify each expression.

|                         |                      |
|-------------------------|----------------------|
| $2(4r + 5) + 7(3r + 2)$ | $14 + 5(x + 3) - 7x$ |
| $-8(2 - 3t) + 3(t - 4)$ | $6 - 2(2c + 4)$      |

### Evaluating Expressions

Directions: Evaluate each expression if  $x = -4$ .

|                        |                            |
|------------------------|----------------------------|
| $12x + 7$              | $-11x + 5 - 82$            |
| $\frac{24}{x} + 6 - 3$ | $\frac{x}{2} \cdot 8 + 11$ |