

Name: _____ Date: _____

2019-2020 Part 1 Expressions and Equation Test

1. Solve the Following:

Which expression is equivalent to $\frac{1}{2}(2n + 6)$?

A. $\frac{1}{2} + 2n + 6$

B. $2\frac{1}{2}n + 6\frac{1}{2}$

C. $n + 6$

D. $n + 3$

2. Solve the Following:

Which expression is equivalent to $3x + 5x + 2$?

A. $10x$

B. $3x + 7$

C. $8x + 2$

D. $15x + 2$

3. Solve the Following:

Which algebraic expression is equivalent to $-2(4x - 5y - 5x)$?

A. $2x + 10y$

B. $-2x - 10y$

C. $-8x - 5y$

D. $-13x - 5y$

4. Solve the Following:

Which expression is **not** equivalent to $1.02x + 2.38y - 0.374z$?

- A. $3.4(0.3x + 0.7y - 0.11z)$
- B. $-3.4(-0.3x - 0.7y + 0.11z)$
- C. $1.7(0.6x + 1.4y - 0.22z)$
- D. $-1.7(-0.6x + 1.4y - 0.22z)$

5. Solve the Following:

Which expression is equivalent to $-2.8x - 6.3$?

- A. $-2.8(x - 6.3)$
- B. $-2.8(x + 6.3)$
- C. $-1.4(2x - 4.5)$
- D. $-1.4(2x + 4.5)$