

For those who CANNOT access Digits and have talked to me about it, you can access the homework problems here.

You can either “Make a Copy” of this document and type your answers below the question OR do your homework on paper and turn it in to me by the due date.

1.

Complete the factored form of the algebraic expression.

$$10a + 2 = 2(\quad + \quad)$$

Choose the correct answer below.

- ☐ A. $10a + 2 = 2(a + 2)$
☐ B. $10a + 2 = 2(5a + 2)$
☐ C. $10a + 2 = 2(5 + 1)$
☐ D. $10a + 2 = 2(5a + 1)$

2.

Factor the algebraic expression.

$$15a + 40$$

$$15a + 40 = \boxed{}$$

(Factor completely.)

3.

Which of the expressions have like terms?

$$-3m + 6m$$

$$14m + mn$$

$$3y + 3x$$

$$5xy - 10xy$$

$$t + 5.75t$$

$$2 - 4p$$

4.

Combine the like terms.

$$-6m + 4m$$

$$-6m + 4m = \boxed{} \text{ (Simplify your answer.)}$$

5.

Mental Math Combine the like terms.

$$5y + 47y + 25y + 22y + 18y + 13y$$

$$5y + 47y + 25y + 22y + 18y + 13y = \boxed{}$$