

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_ Teacher: \_\_\_\_\_

### 3-4 Weekly Homework

1. Which fraction is NOT greater than .65? You must show your work to receive credit.

a.  $\frac{3}{5}$

b.  $\frac{5}{8}$

c.  $\frac{4}{5}$

d.  $\frac{7}{8}$

2. Which arrangement of small squares could be used to model a large square that is 900 square centimeters?

a. 100 cm by 9 cm

b. 15 cm by 60 cm

c. 30 cm by 30 cm

d. 900 cm by 1 cm

3. Which rule describes the sequence of the numbers below?

4, 10, 20, 34

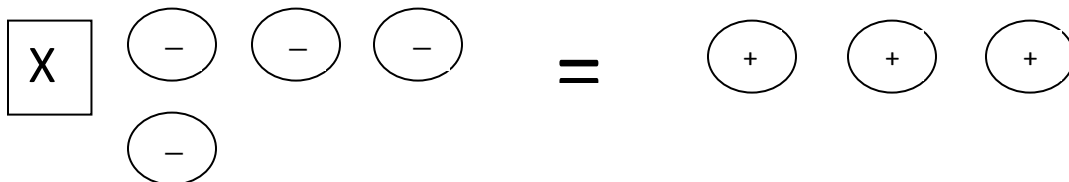
a.  $n^2 + 1$

b.  $2n^2 + 2$

c.  $3n + 1$

d.  $4n$

4. The model below represents the equation  $x - 4 = 3$ . What value of  $x$  makes the equation true?



a.  $x = -1$

b.  $x = 7$

c.  $x = 3$

d.  $x = 6$

5. Tiffany is making holiday cookies for her family. The recipe makes 2 dozen cookies. She needs to make 36 cookies. If the recipe calls for  $2\frac{3}{5}$  cups of flour, how much flour does she need to make 36 cookies?

***Simplify the expressions below.***

6.  $3 + 2(3 + 2)^2 \div 4 \times 3$

7.  $3^2 + 6 \times 3(12 - 5)^2 \div 8$

8.  $8 - 2 + (-5) \div 1$

9. Describe in your own words how to change a fraction to a decimal.

10. Change  $\frac{7}{8}$  to a percent.