only 4 to a table

Lunch- Sausage Pizza
Or Chef Salad

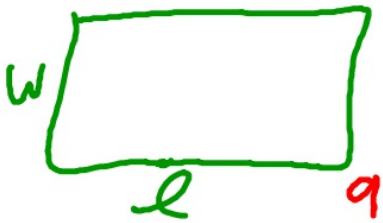
1. If you were gone yesterday get one of each of the 3 papers on the front table (tape the smaller one in your notebook)

2. Get out your homework. If it is in the basket go get it.

3. Do the problem of the day

The area of a rectangular patio is $5\frac{5}{8}$ square yards, and its length is $1\frac{1}{2}$ yards. What is the patio's width, in yards?

- A. $3\frac{3}{4}$
- B. $4\frac{1}{8}$
- C. $7\frac{1}{8}$
- D. $8\frac{7}{16}$




$A = \ell w$

$5\frac{5}{8} = 1\frac{1}{2}w$

$\div 1\frac{1}{2}$ $\div 1\frac{1}{2}$

$5\frac{5}{8} \div 1\frac{1}{2}$ $\frac{45}{8} \div \frac{3}{2}$

$\frac{3}{2}$ $\frac{45}{8} \times \frac{2}{3}$

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$3\frac{9}{12}$ $12\overline{)45}$ 15 $\frac{45}{12}$ $\frac{90}{24}$

$3\frac{3}{4}$

1. $6(n-4)$

2. $5(2n+7)$

3. $10+2(n+4)$

4. $3(x+6)$

5. $2(7+n)$

6. $n-8^{2}$

7. $6(14+n)$

8. $4(n+15)$

# Module 9 Lesson 7

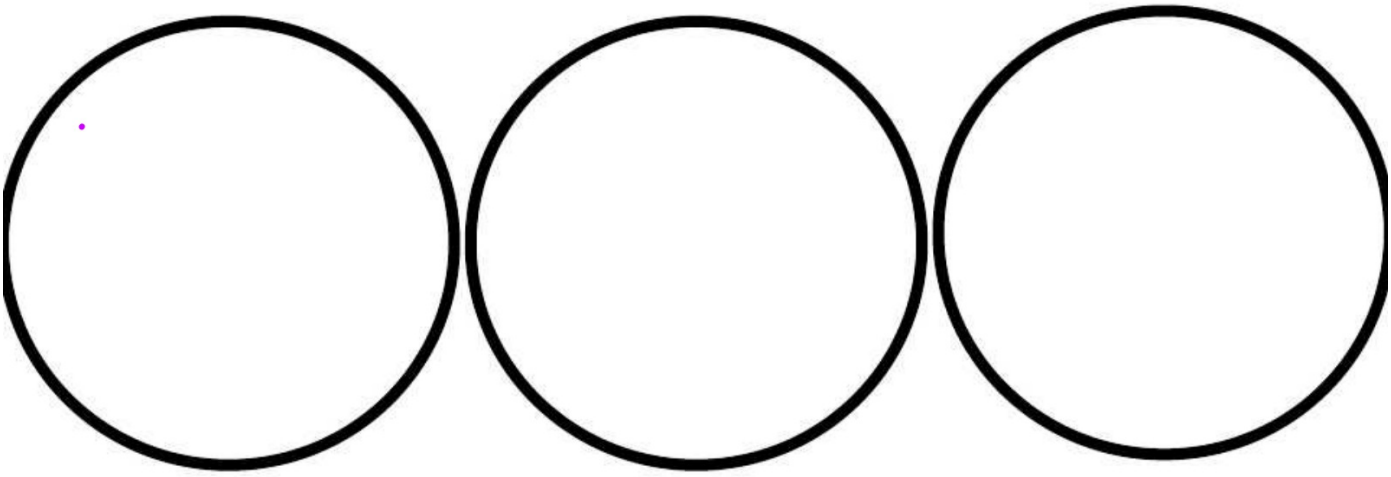
I will be able to simplify expressions.

# Parts of an Expression

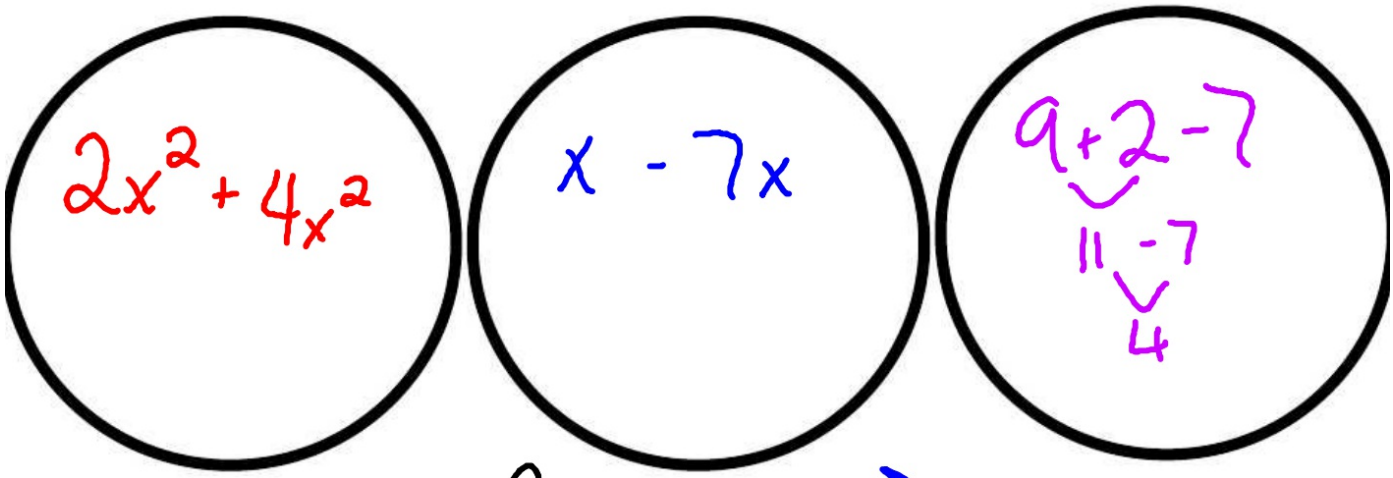
$$3x + 7 + x$$

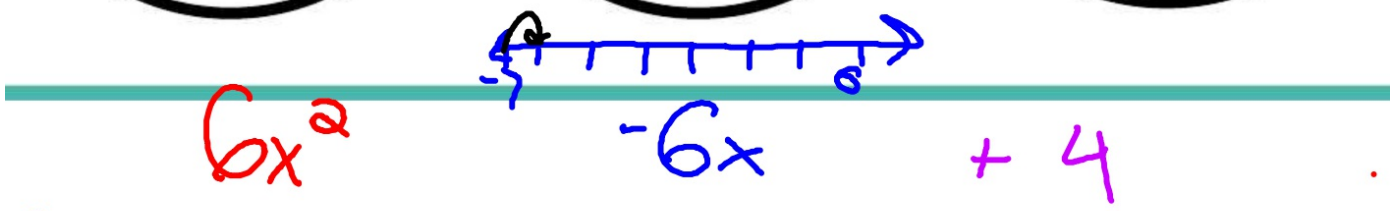
| Coefficient | Constant | Like Terms |
| --- | --- | --- |
| A number in front of a variable | A term without aut a variable | Terms that contain the same variable |

$$6x - 3 + 3y + x + 12 - 5y + 2$$



$2x^2 - 7 + x + -7x + 2 + 4x^2 + 9$




$6x^2 - 6x + 4$

## Simplify the Expressions:

1. $4(6x)$

$4 \cdot 6x$

$24x$

2. $x + x + x$

$3x$

3. $7x + 8 + x$

$7x + x + 8$

$8x + 8$

4. $(14y + x) + 22y$

$14y + 22y + x$

$36y + x$

5. $4(2x + y)$

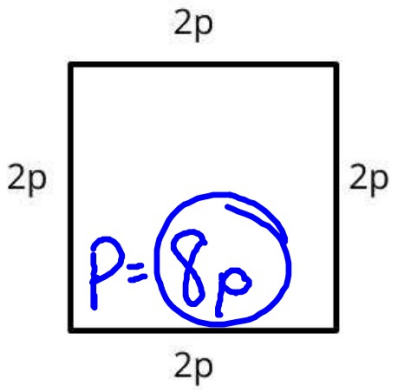
$8x + 4y$

6. $7(3x + y)$

Expand: $21x + 7y$

$\div 7 \quad \div 7$

Factor: $7(3x + y)$



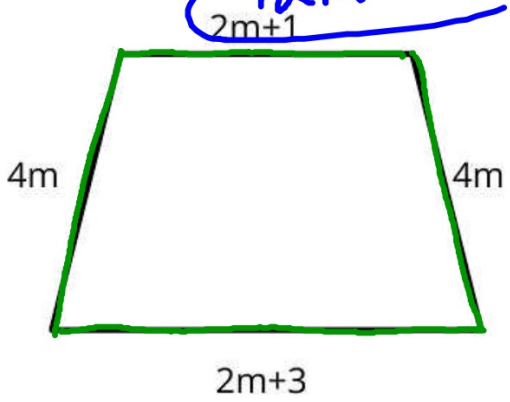

$2p + 2p + 2p + 2p$

$4(2p)$

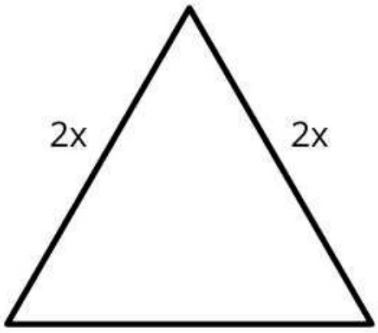
$4m + 4m + 2m + 1 + 2m + 3$

$4m + 4m + 2m + 2m + 1 + 3$

$12m + 4$




3x
5x+1


2x
2x
3x+1