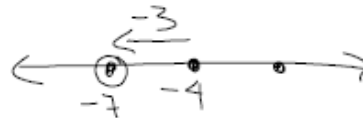


Collecting Like Terms Lesson

$$\text{Ex. } \underline{5x} + \underline{3} - \underline{2x} + \underline{12}$$
$$= 3x + 15$$

$$\underline{8x} - \underline{4} + \overset{\text{invisible } 1}{\underline{x}} - \underline{3}$$
$$= 9x - 7$$



$$\underline{2x^2} + \underline{4x} + \underline{3x^2}$$
$$= 5x^2 + 4x$$

$$\underline{6x^2} + \underline{4x} - \underline{5} - \underline{x^2} + \underline{2x} + \underline{1}$$
$$= 5x^2 + 6x - 4$$

$$\underline{9n} - \underline{6mn} + \underline{3m} + \underline{2n} - \underline{7m}$$
$$= 11n - 6mn - 4m$$

Collecting Like Terms Lesson

Combining Like Terms

1) $7 + 14q - 5 + 6q$

6) $15d + 8 - 18d$

2) $17q - 13 - 14 + 6q$

7) $-17c - 2 - 4c + 19$

3) $-3 - 13c + 5c - 14$

8) $13 - 5k - 18k$

4) $19 + 14r - 10$

9) $r - 18r$

5) $5h + 14h$

10) $17h - h$

Combining Like Terms

1.) $x + 2x =$

2.) $2x - x =$

3.) $4x + 2x =$

4.) $6x - 3x =$

5.) $5x + x =$

6.) $2x + 2x =$

7.) $7x - 5x =$

8.) $3x - 2x =$

9.) $x + x =$

10.) $x^2 + 2x^2 =$

11.) $4x^2 - 3x^2 =$

12.) $3x^2 + 2x^2 =$

13.) $2x^2 + 2x + x^2 + x =$

14.) $5x + x^2 - 2x + x^2 =$

15.) $3x + 2x - x + 2x^2 =$

16.) $6x + 3x^2 - x - x^2 =$

17.) $4x + 3 + x^2 - x =$

18.) $2x + 3x + 9 + x =$

19.) $2x^2 + 3 + 3x - 1 =$

20.) $2x + 5 + x^2 - x =$

21.) $2x + 4y - x + y =$

22.) $2y + x + 3x - y =$

23.) $x + y + 2y - 4 =$

24.) $5 + 2x + y + 2x - 1 =$

25.) $3y + 2 + 2y + 5 =$

26.) $2x + 2y + x^2 - x + x^2 =$

Collecting Like Terms Lesson

Combining Like Terms

1) $7 + 14q - 5 + 6q$

$$2 + 20q$$

6) $15d + 8 - 18d$

$$-3d + 8$$

2) $17q - 13 - 14 + 6q$

$$23q - 27$$

7) $-17c - 2 - 4c + 19$

$$-21c + 17$$

3) $-3 - 13c + 5c - 14$

$$-17 - 8c$$

8) $13 - 5k - 18k$

$$13 - 23k$$

4) $19 + 14r - 10$

$$9 + 14r$$

9) $r - 18r$

$$-17r$$

5) $5h + 14h$

$$19h$$

10) $17h - h$

$$16h$$

Combining Like Terms

$$1.) x + 2x = 3x \quad 2.) 2x - x = x \quad 3.) 4x + 2x = 6x$$

$$4.) 6x - 3x = 3x \quad 5.) 5x + x = 6x \quad 6.) 2x + 2x = 4x$$

$$7.) 7x - 5x = 2x \quad 8.) 3x - 2x = x \quad 9.) 1x + 1x = 2x$$

$$10.) x^2 + 2x^2 = 3x^2 \quad 11.) 4x^2 - 3x^2 = x^2 \quad 12.) 3x^2 + 2x^2 = 5x^2$$

$$13.) \underbrace{2x^2 + x^2}_{3x^2} + \underbrace{2x + x}_{3x} = 3x^2 + 3x$$

$$15.) \underbrace{3x + 2x - x}_{4x} + \underbrace{2x^2}_{2x^2} = 4x + 2x^2$$

$$17.) \underbrace{4x - x}_{3x} + \underbrace{3}_{3} + \underbrace{x^2}_{x^2} = 3x + 3 + x^2$$

$$19.) \underbrace{2x^2 + 3x^2}_{2x^2 + 3x^2} + \underbrace{3}_{3} + \underbrace{3x - 1}_{3x - 1} = 2x^2 + 3x^2 + 3 + 3x - 1$$

$$21.) \underbrace{2x - x}_{x} + \underbrace{4y + y}_{5y} = x + 5y$$

$$23.) x + y + 2y - 4 = x + 3y - 4$$

$$25.) 3y + 2 + 2y + 5 = 5y + 7$$

$$14.) \underbrace{5x - 2x}_{3x} + \underbrace{x^2 - x^2}_{0} = 3x + 2x^2$$

$$16.) \underbrace{6x - x}_{5x} + \underbrace{3x^2 - x^2}_{2x^2} = 5x + 2x^2$$

$$18.) \underbrace{2x + 3x}_{6x} + \underbrace{9}_{9} + \underbrace{x}_{x} = 6x + 9 + x$$

$$20.) 2x + 5 + x^2 - x = x + 5 + x^2$$

$$22.) \underbrace{2y - y}_{y} + \underbrace{x + 3x}_{4x} = y + 4x$$

$$24.) 5 + 2x + y + 2x - 1 = 4 + 4x + y$$

$$26.) \underbrace{2x - x}_{x} + \underbrace{2y}_{2y} + \underbrace{x^2 + x^2}_{2x^2} = x + 2y + 2x^2$$