1. What is the distance between $-124.83$ Dollars and $-765.88$ Dollars
   a. $-890.71$ Dollars
   b. $890.71$ Dollars
   c. $-641.05$ Dollars
   d. $641.05$ Dollars
   e. None of the preceding

2. Identify the specifying-phrase $-384.22 \odot -395.18$
   a. $-779.4$
   b. $+779.4$
   c. $+10.96$
   d. $-10.96$
   e. None of the preceding

3. On Tuesday your balance was sixty-three dollars and eighty-two cents in the red and on Friday your balance was five hundred forty-six dollars and seventeen cents in the black. What is the signed number-phrase that represents the change in your balance from Tuesday to Friday?
   a. $+609.99$ Dollars
   b. $+482.35$ Dollars
   c. $-609.99$ Dollars
   d. $-482.35$ Dollars
   e. None of the preceding

4. Given the number-phrases $+19.99$ Dollars and $-742.33$ Dollars in that order, which lenient algebra-comparison sentence is true?
   a. $+19.99$ Dollars $\leq -742.33$ Dollars
   b. $+19.99$ Dollars $> -742.33$ Dollars
   c. $+19.99$ Dollars $\geq -742.33$ Dollars
   d. $+19.99$ Dollars $< -742.33$ Dollars
5. Identify \(-2 - 6 + 3 + 7 - 4 + 2 - 5 - 1 + 5 + 9 - 3 - 5 + 7 - 2 - 2\)
   a. +5
   b. 0
   c. -2
   d. +3
   e. None of the preceding

6. Identify the specifying-phrase \([+4 \text{ Bananas}] \times [-5 \text{ Nickels}]\)
   a. +20 Bananas
   b. -20 Bananas
   c. +20 Nickels
   d. -20 Nickels
   e. None of the preceding

7. Identify the specifying-phrase \(+27.95 \oplus -671.84\)
   a. -699.79
   b. +643.89
   c. +699.79
   d. -643.89
   e. None of the preceding

8. What should you add to -3 Dollars in order to get -7 Dollars?
   a. -10 Dollars
   b. +4 Dollars
   c. -4 Dollars
   d. +10 Dollars
   e. None of the preceding

9. Identify the specifying-phrase \((-827.77) \oplus (-33.02)\)
   a. +794.75
   b. +860.79
10. Plot the number phrase(s) that is/are at a 2 Dollars distance from +1 Dollars.

- **a.**

- **b.**

- **c.**

- **d.**

- **e.** None of the preceding

11. Your balance was eighty-seven dollars and eighteen cents in the black and you made an seven hundred seventy-four dollars and twenty-two cents deposit. What is the signed number-phrase that represents your new balance?

What is the result of a +774.22 Dollars transaction on a +87.18 Dollars?

- **a.** −687.04 Dollars

- **b.** +687.04 Dollars

- **c.** −861.40 Dollars

- **d.** +861.40 Dollars

- **e.** None of the preceding

12. Identify the specifying-phrase \([-3 \text{ Tomatoes}] \times \begin{bmatrix} -6 \text{ Nickels} \end{bmatrix}\)

- **a.** +18 Tomatoes

- **b.** +18 Nickels

- **c.** −18 Tomatoes
d. −18 Nickels
e. None of the preceding

13. What is the distance between −13.04 Dollars and +72.78 Dollars
a. 85.82 Dollars
b. −85.82 Dollars
c. −59.74 Dollars
d. 59.74 Dollars
e. None of the preceding

14. What should you subtract from −7 Dollars in order to get −3 Dollars?
   a. −10 Dollars
   b. +4 Dollars
   c. −4 Dollars
   d. +10 Dollars
   e. None of the preceding

15. On Monday your balance was one hundred twenty-four dollars and eighty-three cents in the red and on Thursday your balance was seven hundred sixty-five dollars and eighty-eight cents in the red. What is the signed number-phrase that represents the change in your balance from Monday to Thursday?
   a. −890.71 Dollars
   b. +890.71 Dollars
   c. −641.05 Dollars
   d. +641.05 Dollars
   e. None of the preceding

16. Given the number-phrases −836.19 Dollars and +82.67 Dollars in that order, which lenient size-comparison sentences is true?
   a. −836.19 Dollars is-larger-in-size-than + 82.67 Dollars
   b. −836.19 Dollars is-no-smaller-in-size-than + 82.67 Dollars
   c. −836.19 Dollars is-smaller-in-size-than + 82.67 Dollars
   d. −836.19 Dollars is-no-larger-in-size-than + 82.67 Dollars
e. None of the preceding

17. Your balance was eighty-seven dollars and eighteen cents in the red and you made an seven hundred seventy-four dollars and twenty-two cents withdrawal. What is the signed number-phrase that represents your new balance?
   a. \(-687.04\) Dollars
   b. \(+687.04\) Dollars
   c. \(-861.40\) Dollars
   d. \(+861.40\) Dollars
   e. None of the preceding

18. Your balance was seven hundred twenty-three dollars and five cents in the red and you made a sixteen dollars and thirty-nine cents deposit. What is the signed number-phrase that represents your new balance?
   a. \(-706.66\) Dollars
   b. \(-739.44\) Dollars
   c. \(+739.44\) Dollars
   d. \(+706.66\) Dollars
   e. None of the preceding

19. Your balance was twenty-seven dollars and ninety cents in the black and you made an eight hundred eighty-eight dollars and twenty-two cents withdrawal. What is the signed number-phrase that represents your new balance?
   a. \(-916.12\) Dollars
   b. \(+860.32\) Dollars
   c. \(-860.32\) Dollars
   d. \(+916.12\) Dollars
   e. None of the preceding

20. Plot the number phrase(s) that is/are at a 3 Dollars distance from \(-2\) Dollars.

\[\begin{array}{c}
-\infty \quad \bullet \quad \bullet \quad \bullet \quad \bullet \quad \bullet \quad \bullet \quad 0 \quad \bullet \quad \bullet \quad \bullet \quad +\infty \\
\end{array}\]
21. Identify $1 + 1 + 1 - 2 - 2 + 3 + 3 - 4 - 4 - 4 + 5 + 5 + 5$
   a. $+6$
   b. $+7$
   c. $+8$
   d. $+9$
   e. None of the preceding

22. The single action that gives the same result as a five hundred seventy-five dollars and eighty-eight cents deposit followed by a seventy-eight dollars and ninety-two cents withdrawal is represented by what signed number-phrase?
   a. $+654.80$ Dollars
   b. $+496.96$ Dollars
   c. $-654.80$ Dollars
   d. $-496.96$ Dollars
   e. None of the preceding

23. Identify the specifying-phrase $+715.05 - 88.38$
   a. $+626.67$
   b. $-626.67$
   c. $+803.43$
   d. $-803.43$
   e. None of the preceding
24. You thought your balance was three hundred forty-five dollars and twenty-two cents in the black but you just found out that a seventy-two dollars and forty-five cents check you had deposited bounced. What is the signed number-phrase that represents your new balance?

a. +417.67 Dollars
b. +272.77 Dollars
c. −417.67 Dollars
d. −272.77 Dollars
e. None of the preceding

25. You thought your balance was one hundred seventy-two dollars and fifty-six cents in the red but you just found out that an unjustified twelve dollars and fifty-six cents charge has been removed. What is the signed number-phrase that represents your new balance?

a. +185.12 Dollars
b. +160.00 Dollars
c. −185.12 Dollars
d. −160.00 Dollars
e. None of the preceding
1. Given the double basic problem in Dollars

\[
\text{BOTH} \begin{cases} 
  x = +786.33 \\
  x \geq +222.91
\end{cases}
\]

which is the graph of its solution subset?

a. 

b. 

c. 

d. 

e. None of the preceding

2. Given the double basic problem in Dollars

\[
\text{BOTH} \begin{cases} 
  x > -337.41 \\
  x \leq +568.92
\end{cases}
\]

which is the graph of its solution subset?

a. 

b. 

c. 

d. 

e. None of the preceding

3. Given the basic problem in **Dollars**

\[ x > +341.17 \]

which is the graph of its solution subset?

- a.  
- b.  
- c.  
- d.  
- e. None of the preceding

4. Given the basic problem in **Dollars**

\[ x \leq +713.66 \]

which is the graph of its solution subset?

- a.  
- b.  
- c.  
- d.  
- e. None of the preceding
5. Given the double basic problem in Dollars

\[
\text{EITHER ONE OR BOTH} \begin{cases} 
  x = -281.88 \\
  x > +876.33
\end{cases}
\]

which is the graph of its solution subset?

a. ![Graph A]

b. ![Graph B]

c. ![Graph C]

d. ![Graph D]

e. None of the preceding

6. Given the double basic problem in Dollars

\[
\text{EITHER ONE OR BOTH} \begin{cases} 
  x \geq +925.04 \\
  x < -394.96
\end{cases}
\]

which is the graph of its solution subset?

a. ![Graph E]

b. ![Graph F]

c. ![Graph G]

d. ![Graph H]

e. None of the preceding
7. Given the problem in **Dollars**

\[-5 \otimes x > +15\]

what is the *graph* of its solution set?

a. 

b. 

c. 

d. 

e. None of the preceding

8. Given the double basic problem in **Dollars**

**EITHER ONE BUT NOT BOTH**

\[
\begin{align*}
  x &> -786.33 \\
  x &< +315.32
\end{align*}
\]

which is the *graph* of its solution subset?

a. 

b. 

c. 

d. 

e. None of the preceding

9. Given the problem in **Dollars**

\[x \oplus -7 \leq -5\]
what is the graph of its solution set?

a. ![Diagram 1]

b. ![Diagram 2]

c. ![Diagram 3]

d. ![Diagram 4]

e. None of the preceding

10. Given the problem in Dollars

\[-3x + 12 \geq -7x - 8\]

which is the graph of its solution subset?

a. ![Diagram 1]

b. ![Diagram 2]

c. ![Diagram 3]

d. ![Diagram 4]

e. None of the preceding

11. Given the basic problem in Dollars

\[x = +832.91\]

which is the graph of its solution subset?

a. ![Diagram 1]

b. ![Diagram 2]

c. ![Diagram 3]

![Graph of +832.91]
d. None of the preceding

12. Given the problem in Dollars

\[-6x - 5 > +4x + 25\]

which is the graph of its solution subset?

a. Dollars

b. Dollars

c. Dollars

d. Dollars

e. None of the preceding

13. Given the double basic problem in Dollars

\[
\begin{align*}
\text{BOTH } & \quad x \geq +629.51 \\
& \quad x \leq +268.92
\end{align*}
\]

which is the graph of its solution set?

a. Dollars

b. Dollars

c. Dollars

d. Dollars

e. None of the preceding
14. Given the double basic problem in Dollars

\[
\begin{align*}
\text{BOTH } & \begin{cases} 
  x \geq +391.51 \\
  x \leq +391.51 
\end{cases}
\end{align*}
\]

which is the *graph* of its solution subset?

a. 

b. 

c. 

d. 

e. None of the preceding

15. Given the double basic problem in Dollars

\[
\begin{align*}
\text{EITHER ONE OR BOTH } & \begin{cases} 
  x \leq -786.33 \\
  x \geq +315.32 
\end{cases}
\end{align*}
\]

which is the *graph* of its solution subset?

a. 

b. 

c. 

d. 

e. None of the preceding

16. Given the double basic problem in Dollars

\[
\begin{align*}
\text{BOTH } & \begin{cases} 
  x \neq -786.33 \\
  x \geq +315.32 
\end{cases}
\end{align*}
\]
which is the *graph* of its solution subset?

17. Given the double basic problem in **Dollars**

\[
\begin{align*}
\text{BOTH} & \quad \begin{cases} 
  x \leq +315.32 \\
  x \neq +272.81
\end{cases}
\end{align*}
\]

which is the *graph* of its solution subset?

18. Given the double affine problem in **Dollars**

\[
\begin{align*}
\text{BOTH} & \quad \begin{cases} 
  +3x + 5 > -7 \\
  +2x - 8 < -2
\end{cases}
\end{align*}
\]
what is the graph of its solution subset?

a. 

b. 

c. 

d. 

e. None of the preceding

19. Given the basic problem in Dollars

\[ x \geq -152.78 \]

which is the graph of its solution subset?

a. 

b. 

c. 

d. 

e. None of the preceding

20. Given the basic problem in Dollars

\[ x \neq +451.89 \]

which is the graph of its solution subset?

a. 

b. 


21. Given the basic problem in Dollars

\[ x < -371.45 \]

which is the graph of its solution subset?

- a. Dollars
- b. Dollars
- c. Dollars
- d. Dollars
- e. None of the preceding

22. Given the double basic problem in Dollars

\[ \begin{cases} 
  x \neq -786.33 \\
  x \geq +315.32 
\end{cases} \]

which is the graph of its solution subset?

- a. Dollars
- b. Dollars
- c. Dollars
- d. Dollars
- e. None of the preceding
d. None of the preceding

23. Given the problem in Dollars

\[ +3x + 7 < -5x - 9 \]

which is the graph of its solution subset?

a. Dollars

b. Dollars

c. Dollars

d. Dollars

e. None of the preceding

24. Given the double basic problem in Dollars

EITHER ONE BUT NOT BOTH \[ \begin{cases} x \leq +786.33 \\ x \geq +315.32 \end{cases} \]

which is the graph of its solution subset?

a. Dollars

b. Dollars

c. Dollars

d. Dollars

e. None of the preceding
25. Given the double basic problem in Dollars

\[
\begin{align*}
\text{BOTH} & \quad \begin{cases} 
x > +911.52 \\
x < +911.52 
\end{cases}
\end{align*}
\]

which is the graph of its solution subset?

a. Dollars
b. Dollars
\[ +911.52 \]
c. Dollars
\[ +911.52 \]
d. Dollars

\[ +911.52 \]
e. None of the preceding
1. Identify \([+43x^{-2}] \otimes [-11x^{-8}]\)
   a. \(-4x^{-10}\)
   b. \(+4x^{-6}\)
   c. \(-484x^{-10}\)
   d. \(+484x^{-6}\)
   e. None of the preceding

2. Identify \([-3x^3 + 5x] \boxtimes [-4x^3 + 3x^2 - 7]\)
   a. \(-12x^6 - 29x^5 + 36x^3 - 35x\)
   b. \(-12x^4 + 9x^3 + 6x^2 - 12x - 35\)
   c. \(+12x^4 - 20x^2 + 36x - 35\)
   d. \(+12x^6 - 9x^5 - 20x^4 + 36x^3 - 35x\)
   e. None of the preceding

3. Identify \([-84x^{-5}] \oplus [+12x^{-3}]\)
   a. \(-7x^{-8}\)
   b. \(-1008x^{-2}\)
   c. \(+7x^{+8}\)
   d. \(+1008x^{+2}\)
   e. None of the preceding

4. Identify \(2 \times 3^4\)
   a. 162
   b. 27
   c. 14
   d. 10
   e. None of the preceding

5. Identify \(-4x^3 + 3x + 7 + 4x^4 + 6x^2 - 4x - 3\)
   a. \(+4x^4 + 6x^2 + 3x - 4\)
b. $+4x^4 - 4x^3 + 6x^2 - x + 4$

c. $-4x^3 + 6x^2 + 7x + 4$

d. $-4x^4 + 3x^3 + 6x^2 - x - 4$

e. None of the preceding

6. Identify $+5x^4 - 3x^2 + x + 2 - [+5x^5 - 3x^3 - 2x^2 - 2]$

a. $+5x^5 + 5x^4 - 3x^3 - 5x^2 + x$

b. $-5x^5 + 5x^4 + 3x^3 - x^2 + x$

c. $-5x^5 + 5x^4 + 3x^3 - x^2 + x + 4$

d. $-5x^5 + x^4 + 4$

e. None of the preceding

7. Identify $[-3x^2 + 5x - 7] \div [2x^2 - 6]$

a. $-6x^3 + 28x^2 - 44x + 42$

b. $-6x^4 + 10x^3 + 4x^2 - 30x + 42$

c. $-6x^4 - 44x^2 + 42$

d. $-6x^4 + 10x^3 - 34x^2 + 42$

e. None of the preceding

8. Identify $567 \times 3^{-4}$

a. $-567$

b. $-7$

c. $7$

d. $1697$

e. None of the preceding

9. Identify $[-52x^{-9}] \otimes [-4x^{+3}]$

a. $-208x^{-6}$

b. $+208x^{-12}$

c. $-13x^{+6}$

d. $+13x^{+12}$

e. None of the preceding
10. Identify \(-256 \times (+4)^{-3}\)
   
a. \(-256\)
b. \(-24\)
c. \(+4\)
d. \(-4\)
e. None of the preceding

11. Identify \([+32x^{-2}] \otimes [+4x^{+9}]\)
   
a. \(-128x^{-7}\)
b. \(+8x^{-11}\)
c. \(-8x^{-7}\)
d. \(+128x^{+11}\)
e. None of the preceding

12. Approximate \(\frac{+6 + h - 3h^2 + 11h^3 - 15h^4}{3 + 2h - 5h^2}\) to \(h^1\)
   
a. \(\frac{+6 + h - 3h^2 + 11h^3 - 15h^4}{3 + 2h - 5h^2} = +2 - h + (...)\)
b. \(\frac{+6 + h - 3h^2 + 11h^3 - 15h^4}{3 + 2h - 5h^2} = -3 + h + (...)\)
c. \(\frac{+6 + h - 3h^2 + 11h^3 - 15h^4}{3 + 2h - 5h^2} = +2 + h + (...)\)
d. \(\frac{+6 + h - 3h^2 + 11h^3 - 15h^4}{3 + 2h - 5h^2} = -3 - h + (...)\)
e. None of the preceding

13. Approximate \(\frac{6x^3 + 7x^2 + 6x - 6}{3x - 1}\) to \(x^1\)
   
a. \(\frac{6x^3 + 7x^2 + 6x - 6}{3x - 1} = 2x^2 - 3x - 3 + (...)\)
b. \(\frac{6x^3 + 7x^2 + 6x - 6}{3x - 1} = -2x^2 - x + (...)\)
c. \(\frac{6x^3 + 7x^2 + 6x - 6}{3x - 1} = -2x^2 + 3x - 3 + (...)\)
d. \(\frac{6x^3 + 7x^2 + 6x - 6}{3x - 1} = 2x^2 + 3x + (...)\)
14. Approximate $\frac{-2x^3 + 17x + 10}{x - 3}$ to $x^{-1}$
a. $\frac{-2x^3 + 17x + 10}{x - 3} = +2x^2 + 3x + 1 - 2x^{-1} + (...)$
b. $\frac{6x^3 + 7x^2 - 6}{3x - 1} = -2x^2 - 6x - 1 + 7x^{-1} + (...)$
c. $\frac{6x^3 + 7x^2 - 6}{3x - 1} = -2 + 2x^{-1} - x^{-2} + (...)$
d. $\frac{6x^3 + 7x^2 - 6}{3x - 1} = +2x - 3 + 4x^{-1} + (...)$
e. None of the preceding

15. Identify $[126 \times 3^{-7}] \div [21 \times 3^{+1}]$
a. $2646 \times 3^{+6}$
b. $2646 \times 3^{-6}$
c. $6 \times 3^{-8}$
d. $6 \times 3^{+8}$
e. None of the preceding

16. Identify $[+4x^2 - 2] \boxplus [-4x^4 + 3x^2 + 2x + 3]$
a. $3x^2 + 2x + 1$
b. $x^3 + x^2 + 2x - 3$
c. $-4x^3 + 3x^2 + 2x + 1$
d. $-4x^4 + x^2 + 2x + 1$
e. None of the preceding

17. Identify $[+3x^4 - 4x^3 - 2x^2 + x - 2] \boxminus [+4x^4 + x^3 - 3x^2 + 2x + 7]$
a. $+7x^4 - 3x^3 - 5x^2 + 3x + 5$
b. $-x^4 - 5x^3 + x^2 - x - 9$
c. $-7x^4 + 3x^3 - 4x^2 + 3x + 1$
d. $-x^4 - x^3 - 5x^2 - 3x + 9$
e. None of the preceding
18. Identify \([-2x^3 - 4x^2 + 7]\) \(\oplus\) \([+3x^5 + 4x^4 + x^2 + 5x]\)

a. \(-3x^5 - 4x^4 - 2x^3 - 5x^2 - 5x + 7\)
b. \(+1x^5 - 3x^3 + 5x^2 + 7\)
c. \(+3x^5 + 4x^4 - 3x^3 + 5x^2 - 5x + 7\)
d. \(-3x^5 + 4x^4 + 2x^3 - 5x^2 + 5x + 7\)
e. None of the preceding

19. Identify \([-5x^4 + 7x^3 + 4x^2 - 5x + 3]\) \(\oplus\) \([+7x^3 - 5x^2 + 2x - 1]\)

a. \(-5x^4 + 14x^3 - x^2 - 3x + 2\)
b. \(+2x^4 + 2x^3 + 6x^2 - 6x + 2\)
c. \(-5x^4 + 7x^3 - 9x^2 + 7x + 2\)
d. \(+2x^4 + 14x^3 - x^2 - 3x + 2\)
e. None of the preceding

20. Identify \([7 \times 3^{+5}] \times [12 \times 3^{-3}]\)

a. \(+168\)
b. \(-168\)
c. \(-756\)
d. \(+756\)
e. None of the preceding

21. Identify \((+5 - h)^2\)

a. \(-25 + h^2\)
b. \(+25 + h^2\)
c. \(+25 - 10h + h^2\)
d. \(+25 - 5h + h^2\)
e. None of the preceding

22. Identify \([+84x^{+5}] \otimes [-7x^{-3}]\)

a. \(-12x^{-8}\)
b. \(+12x^{+2}\)
c. \(-588x^{+8}\)
d. $+588x^2$
e. None of the preceding

23. Identify $(-5 + h)^3$
al. $-125 + h^3$
b. $-125 + 75h - 15h^2 + h^3$
c. $-125 - 75h - 15h^2 - h^3$
d. $+125 + 75h + 15h^2 + h^3$
e. None of the preceding

24. Approximate $\frac{-20 - 3h + h^2 + 5h^3}{-4 - 3h}$ to $h^2$
a. $\frac{-20 - 3h + h^2 + 5h^3}{-4 - 3h} = +5 + 2h + 5h^2 + (...)$
b. $\frac{-20 - 3h + h^2 + 5h^3}{-4 - 3h} = +3 - 2h - 5h^2 + (...)$
c. $\frac{-20 - 3h + h^2 + 5h^3}{-4 - 3h} = -5 + 2h - 3h^2 + (...)$
d. $\frac{-20 - 3h + h^2 + 5h^3}{-4 - 3h} = +5 - 3h + 2h^2 + (...)$
e. None of the preceding

25. Identify $[-75x^7] \otimes [-5x^{-2}]$
al. $-225x^{-9}$
b. $+225x^{-5}$
c. $-25x^9$
d. $+25x^5$
e. None of the preceding