

Name: _____

Date _____

Topic: Multiply a Matrix by a Number - Worksheet 1

Complete the following:

1. 2

3	5
4	7

2. 3

5	1	7
1	7	3

3. 4

6	3	4
---	---	---

4. 3

2	3	10
---	---	----

5. 3

9	6	3
4	3	4

6. -5

2	5	7
3	3	9
9	3	4

7. 6

5	5
---	---

8. 2

2	1
1	2

9. 5

4	5
---	---

10. -3

2	1	1
1	2	1
2	1	2



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Topic: Multiply a Matrix by a Number - Worksheet 2

Complete the following:

1. 3

4	6
5	8

2. 4

6	2	8
2	8	4

3. 5

7	2	5
---	---	---

4. 4

3	4	11
---	---	----

5. 4

10	7	4
5	4	5

6. -6

3	6	8
4	4	10
10	4	5

7. 7

7	6
---	---

8. 3

3	2
2	3

9. 6

5	6
---	---

10. -4

3	2	3
1	2	1
2	1	2



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Topic: Multiply a Matrix by a Number - Worksheet 3

Complete the following:

1. $4 \begin{bmatrix} 5 & 7 \\ 6 & 9 \end{bmatrix}$

2. $5 \begin{bmatrix} 7 & 3 & 9 \\ 3 & 9 & 5 \end{bmatrix}$

3. $6 \begin{bmatrix} 8 & 3 & 6 \end{bmatrix}$

4. $5 \begin{bmatrix} 4 & 5 & 12 \end{bmatrix}$

5. $6 \begin{bmatrix} 11 & 8 & 5 \\ 6 & 5 & 6 \end{bmatrix}$

6. $-7 \begin{bmatrix} 4 & 7 & 9 \\ 5 & 5 & 4 \\ 3 & 5 & 6 \end{bmatrix}$

7. $8 \begin{bmatrix} 7 & 6 \end{bmatrix}$

8. $4 \begin{bmatrix} 3 & 2 \\ 2 & 3 \end{bmatrix}$

9. $7 \begin{bmatrix} 5 & 6 \end{bmatrix}$

10. $-5 \begin{bmatrix} 3 & 2 & 3 \\ 1 & 2 & 1 \\ 2 & 1 & 2 \end{bmatrix}$



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Topic: Multiply a Matrix by a Number - Worksheet 4

Complete the following:

1. 5

6	8
7	10

2. 6

8	4	10
4	10	6

3. 7

9	4	7
---	---	---

4. 6

5	6	2
---	---	---

5. 7

4	9	6
7	6	7

6. -8

5	8	10
6	6	5
4	6	7

7. 9

8	7
---	---

8. 5

4	3
3	4

9. 8

6	7
---	---

10. -6

4	3	4
3	3	2
3	2	3



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Topic: Multiply a Matrix by a Number - Worksheet 5

Complete the following:

1. $6 \begin{bmatrix} 7 & 9 \\ 8 & 2 \end{bmatrix}$

2. $7 \begin{bmatrix} 9 & 5 & 4 \\ 5 & 6 & 7 \end{bmatrix}$

3. $8 \begin{bmatrix} 10 & 5 & 8 \end{bmatrix}$

4. $7 \begin{bmatrix} 6 & 7 & 3 \end{bmatrix}$

5. $8 \begin{bmatrix} 5 & 10 & 7 \\ 8 & 7 & 8 \end{bmatrix}$

6. $-9 \begin{bmatrix} 6 & 9 & 11 \\ 7 & 7 & 6 \\ 5 & 7 & 8 \end{bmatrix}$

7. $10 \begin{bmatrix} 9 & 8 \end{bmatrix}$

8. $6 \begin{bmatrix} 5 & 4 \\ 4 & 5 \end{bmatrix}$

9. $9 \begin{bmatrix} 7 & 8 \end{bmatrix}$

10. $-7 \begin{bmatrix} 5 & 4 & 5 \\ 4 & 2 & 8 \\ 7 & 9 & 6 \end{bmatrix}$

