

Pg 240 -242 #1-33 all

1. $\begin{matrix} 15 & -5 \\ 1 & 5 \end{matrix}$

2. *Not possible*

3. $\begin{matrix} 8 & 11 \\ 9 & 13 \\ 8 & 6 \end{matrix}$

4. *Not possible*

5. $\begin{matrix} 8 & 12 & -2 \\ 20 & -10 & 4 \\ 0 & 22 & 2 \end{matrix}$

6. $\begin{matrix} -1 & 0 \\ 2 & 4 \\ -3 & -1 \end{matrix}$

7. $x = -1, y = 10$

8. $x = 7, y = -3$

9. $x = -1, y = 5$

10. $x = -1, y = 1$

11. $\begin{matrix} -120 & -84 \\ 40 & 28 \end{matrix}$

$$12. \begin{array}{cc} 5 & 24 \\ 25 & -36 \end{array}$$

$$13. \begin{array}{ccc} 17 & -29 & 64 \\ 18 & -36 & 72 \end{array}$$

$$14. -21$$

$$15. 12$$

$$16. -5$$

$$17. 4$$

$$18. 11/2 \text{ square units}$$

$$19. (-1, -1)$$

$$20. (3, -8)$$

$$21. (6, 0, -3)$$

$$22. \begin{array}{cc} 11 & -3 \\ -7 & 2 \end{array}$$

$$23. \begin{array}{cc} \frac{3}{4} & -\frac{1}{2} \\ -\frac{1}{4} & \frac{1}{2} \end{array}$$

24. No Inverse

$$25. \begin{array}{cc} 1 & 1 \\ 5 & 6 \end{array}$$

$$26. \begin{array}{cc} 3 & 6 \\ -5 & -7 \end{array}$$

$$27. \begin{array}{cc} -3 & -2 \\ 4 & 3 \end{array}$$

28. (2,-3)

$$29. \left(\frac{5}{2}, \frac{3}{2}\right)$$

30. (3/2,3/2)

31. (4,1,0)

32. (19,-9,-11)

33. (-3,2,4)

Pg 243 #1-33 all

$$1. \begin{array}{ccc} 5 & 7 & 3 \\ 1 & -5 & 5 \end{array}$$

$$2. \begin{array}{ccc} 2 & 5 & -3 \\ -2 & -1 & 9 \end{array}$$

$$3. \begin{array}{cc} 12 & -8 \\ -1 & 2 \end{array}$$

$$4. \begin{array}{c} 18 \\ 0 \\ -2 \end{array}$$

$$5. \begin{array}{cc} -23 & 4 \\ 17 & 8 \end{array}$$

$$6. \begin{array}{ccc} 4 & 6 & 0 \\ -5 & -2 & 1 \\ 7 & 12 & -1 \end{array}$$

$$7. x = -5, y = 2$$

$$8. x = -11, y = -4$$

$$9. x = -5, y = 24$$

$$10. 1$$

$$11. 3$$

$$12. -32$$

$$13. -128$$

$$14. 5$$

$$15. 11/2$$

16. 2

17. (9,-6)

18. (5,2)

19. (3/2, 1/2, 1)

20. (7,1,-3)

21. $\begin{matrix} 3/7 & -5/21 \\ -1/7 & 4/21 \end{matrix}$

22. $\begin{matrix} 1 & 2 \\ -1 & -1 \end{matrix}$

23. $\begin{matrix} -5/6 & -2/3 \\ -1 & -1 \end{matrix}$

24. $\begin{matrix} 1 & 0 \\ 0 & -1/5 \end{matrix}$

25. $\begin{matrix} 17 & -69 \\ -19 & 78 \end{matrix}$

26. $\begin{matrix} 3 & -5/2 \\ -1 & 1 \end{matrix}$

27. $\begin{matrix} 10 & 6 & 8 \\ 32 & 24 & 25 \end{matrix}$

28. (6,1)

29. (-4,2)

30. (-4,-2)

31. 13/2

32. AN APPLE A DAY

33. 2 times

Pg 244 #1-10

1. B

2. D

3. A

4. A

5. D

6. B

7. D

8. C

9. A

10(a)

10(b)