

Question 1

1. $20 - 2 \cdot 3 = 14$

2. $24 - 3 \cdot 5 = 9$

3. $18 - 7 \cdot 2 = 4$

4. $33 - 4 \cdot 7 = 5$

5. $19 - 3 \cdot 4 = 7$

6. $21 - 2 \cdot 5 = 11$

7. $42 - 5 \cdot 8 = 2$

8. $30 - 6 \cdot 4 = 6$

9. $28 - 9 \cdot 3 = 1$

10. $20 - 3 \cdot 4 = 8$

Question 2

1. $(-1)^2 =$ and $-1^2 =$
2. $(-2)^2 =$ and $-2^2 =$
3. $(-3)^2 =$ and $-3^2 =$
4. $(-4)^2 =$ and $-4^2 =$
5. $(-5)^2 =$ and $-5^2 =$
6. $(-6)^2 =$ and $-6^2 =$
7. $(-7)^2 =$ and $-7^2 =$
8. $(-8)^2 =$ and $-8^2 =$
9. $(-9)^2 =$ and $-9^2 =$
10. $(-10)^2 =$ and $-10^2 =$

Question 3

1. $(-1)^3 = -1$

9. $(-1)^7 = -1$

17. $(-2)^3 = -8$

2. $-1^3 = -1$

10. $-1^7 = -1$

18. $-2^3 = -8$

3. $(-1)^4 = 1$

11. $(-1)^8 = 1$

19. $(-2)^4 = 16$

4. $-1^4 = -1$

12. $-1^8 = -1$

20. $-2^4 = -16$

5. $(-1)^5 = -1$

13. $(-1)^9 = -1$

21. $(-2)^5 = -32$

6. $-1^5 = -1$

14. $-1^9 = -1$

22. $-2^5 = -32$

7. $(-1)^6 = 1$

15. $(-1)^{10} = 1$

23. $(-3)^3 = -27$

8. $-1^6 = -1$

16. $-1^{10} = -1$

24. $-3^3 = -27$

Question 4

1. $2 - 3(-5) = 17$

2. $6 - 2(-5) = 16$

3. $8 - 5(-2) = 18$

4. $-3 - 2(-4) = 5$

5. $-1 - 3(-8) = 23$

6. $5 - 2(-3) = 11$

7. $-4 - 3(-6) = 14$

8. $2 - 2(-5) = 12$

9. $3 - 5(-2) = 13$

10. $-7 - 2(-5) = 3$

Question 5

1. $15 - (-2)^2 = 11$

2. $8 - (-5)^2 = -17$

3. $-2 - (-3)^2 = -11$

4. $2 - (-2)^2 = -2$

5. $10 - (-4)^2 = -6$

6. $5 - (-1)^2 = 4$

7. $-3 - (-2)^2 = -7$

8. $5 - (-5)^2 = -20$

9. $10 - (-3)^2 = 1$

10. $3 - (-3)^2 = -6$

Question 6

$$1. -3 + 2[5 - (3 - 7)] = 15$$

$$2. -1 - 2[3 - (8 - 2)] = 5$$

$$3. 4 + 3[8 - (2 - 7)] = 43$$

$$4. 6 - 2[3 - (-2 - 5)] = -14$$

$$5. 1 + 2[3 - (4 - 5)] = 9$$

$$6. 5 - 2[7 - (8 - 10)] = -13$$

$$7. 5 - 8[-1 - (3 - 6)] = -11$$

$$8. 4 + 2[12 - (-3 - 7)] = 48$$

$$9. 7 - 2[10 - (1 - 7)] = -25$$

$$10. 8 - 2[5 - (3 - 4)] = -4$$