

## Expression and Equations Level 1-Part2

1. Simplify the following: $(c - 4) + (c - 3)$
2. Simplify the following: $(-4e + 3) + (-3e + 3)$
3. Simplify the following: $(i - 3) + (5i - 5)$
4. Simplify the following: $(5x^2 + x - 8) + (-5x^2 - 2x - 5)$
5. Simplify the following: $(-x^2 - 4x - 9) - (x^2 - 2x - 5)$
6. Simplify the following: $(3x^2 + 2x + 10) - (-4x^2 - 3x - 4)$
7. Simplify the following: $(-3x^2 - 4x - 9) - (2x^2 - 5x - 10)$
8. Simplify the following: $(5x^2 + 5x + 2) + (3x^2 + 2x - 4)$
9. Simplify the following: $4x(3x - 5) + 3(-5x - 5)$
10. Simplify the following: $5x(-4x - 8) + 4(x - 2)$
11. Simplify the following: $-5x(-4x + 9) - 2(-4x + 1)$

12. Simplify the following: $2x(2x + 7) - 2(-x + 4)$
13. Simplify the following: $x(-x - 3) - 3(4x + 3)$
14. $\frac{i}{m} = 3$ : What is the value of $\frac{18m}{i}$ ?
15. $\frac{z}{p} = 4$ : What is the value of $\frac{28p}{z}$ ?
16. $\frac{z}{p} = 2$ : What is the value of $\frac{4p}{z}$ ?
17. $\frac{g-6}{-2} = h$ and $h=3$ what is the value of $g$ ?
18. $\frac{c-5}{5} = x$ and $x=-10$ what is the value of $c$ ?
19. $\frac{c+7}{-10} = x$ and $x=-6$ what is the value of $c$ ?
20. $\frac{h+7}{4} = e$ and $e=6$ what is the value of $h$ ?

## Answers

- 1  $2c - 7$
- 2  $-7e + 6$
- 3  $6i - 8$
- 4  $-x - 13$
- 5  $-2x^2 - 2x - 4$
- 6  $7x^2 + 5x + 14$
- 7  $-5x^2 + x + 1$
- 8  $8x^2 + 7x - 2$
- 9  $12x^2 - 35x - 15$
- 10  $-20x^2 - 36x - 8$
- 11  $20x^2 - 37x - 2$
- 12  $4x^2 + 16x - 8$
- 13  $-x^2 - 15x - 9$
- 14 6
- 15 7
- 16 2
- 17 0
- 18 -45
- 19 53
- 20 17