



1. Solve : $16x^2 - 6abx - a^2b^2 = 0$

- (i) $\frac{ab}{8}, \frac{3ab}{2}$ (ii) $\frac{3ab}{8}, \frac{ab}{2}$ (iii) $\frac{ab}{10}, \frac{ab}{4}$ (iv) $\frac{ab}{8}, \frac{ab}{2}$ (v) $\frac{ab}{6}, ab$

2. Solve : $8x^2b^2 - 2axb - 3a^2 = 0$

- (i) $\frac{a}{2b}, \frac{a}{b}$ (ii) $-\frac{a}{b}, 0$ (iii) $\frac{6a}{8b}, \frac{a}{2b}$ (iv) $\frac{a}{b}, \frac{a}{b}$ (v) $\frac{3a}{5b}, \frac{a}{3b}$

3. Solve : $24x^2 - 14ax - 5a^2 = 0$

- (i) $\frac{a}{4}, \frac{5a}{6}$ (ii) $\frac{a}{6}, \frac{5a}{8}$ (iii) $\frac{3a}{4}, \frac{a}{2}$ (iv) $\frac{a}{2}, \frac{5a}{4}$ (v) $\frac{a}{4}, \frac{7a}{6}$

4. Solve : $18x^2a^2 - 27xa + 10 = 0$

- (i) $0, \frac{1}{2a}$ (ii) $\frac{4}{3a}, \frac{7}{6a}$ (iii) $\frac{2}{5a}, \frac{5}{8a}$ (iv) $\frac{2}{a}, \frac{5}{4a}$ (v) $\frac{2}{3a}, \frac{5}{6a}$

5. Solve : $16x^2 + 16bx + 3b^2 = 0$

- (i) $\frac{b}{5}, \frac{b}{2}$ (ii) $\frac{b}{2}, \frac{5b}{4}$ (iii) $\frac{b}{3}, \frac{3b}{2}$ (iv) $\frac{b}{4}, \frac{3b}{4}$ (v) $0, \frac{b}{4}$

6. Solve : $21x^2b^2 - xb - 2 = 0$

- (i) $\frac{1}{5b}, \frac{2}{9b}$ (ii) $\frac{1}{b}, 0$ (iii) $\frac{1}{3b}, \frac{4}{7b}$ (iv) $\frac{1}{b}, \frac{2}{5b}$ (v) $\frac{1}{3b}, \frac{2}{7b}$

7. Solve : $8x^2 - 10a^2bx + 3a^4b^2 = 0$

(i) $\frac{3a^2b}{2}, a^2b$ (ii) $-\frac{a^2b}{2}, \frac{a^2b}{2}$ (iii) $\frac{a^2b}{4}, \frac{3a^2b}{5}$ (iv) $\frac{a^2b}{2}, \frac{6a^2b}{8}$ (v) a^2b, a^2b

8. Solve : $8x^2a^4b^2 - 2xa^2b - 1 = 0$

(i) $-\frac{1}{3a^2b}, \frac{1}{a^2b}$ (ii) $0, \frac{3}{2a^2b}$ (iii) $-\frac{1}{4a^2b}, \frac{1}{2a^2b}$ (iv) $-\frac{1}{5a^2b}, \frac{1}{4a^2b}$ (v) $-\frac{1}{2a^2b}, -\frac{1}{2a^2b}$

9. Solve : $14x^2b^2 - 5a^2xb - 6a^4 = 0$

(i) $-\frac{a^2}{3b}, \frac{2a^2}{3b}$ (ii) $-\frac{a^2}{2b}, \frac{6a^2}{7b}$ (iii) $-\frac{a^2}{b}, \frac{6a^2}{5b}$ (iv) $0, \frac{8a^2}{7b}$ (v) $-\frac{a^2}{b}, \frac{4a^2}{7b}$

10. Solve : $14x^2a^4 - bxa^2 - 3b^2 = 0$

(i) $-\frac{3b}{7a^2}, \frac{b}{2a^2}$ (ii) $-\frac{b}{7a^2}, \frac{3b}{2a^2}$ (iii) $-\frac{b}{3a^2}, \frac{b}{4a^2}$ (iv) $-\frac{3b}{5a^2}, \frac{b}{a^2}$ (v) $-\frac{5b}{7a^2}, -\frac{b}{2a^2}$

11. Solve : $18x^2 - 3ab^2x - a^2b^4 = 0$

(i) $ab^2, -\frac{ab^2}{4}$ (ii) $\frac{ab^2}{5}, -\frac{ab^2}{8}$ (iii) $-\frac{ab^2}{3}, -\frac{ab^2}{2}$ (iv) $ab^2, \frac{ab^2}{6}$ (v) $\frac{ab^2}{3}, -\frac{ab^2}{6}$

12. Solve : $21x^2 + 22ab^2x + 5a^2b^4 = 0$

(i) $-\frac{5ab^2}{9}, -\frac{3ab^2}{11}$ (ii) $-ab^2, -\frac{3ab^2}{7}$ (iii) $-ab^2, -\frac{5ab^2}{9}$ (iv) $-\frac{3ab^2}{7}, -\frac{ab^2}{9}$ (v) $-\frac{5ab^2}{7}, -\frac{ab^2}{3}$

13. Solve : $81x^2a^2 - 36b^2xa + 4b^4 = 0$

(i) $\frac{2b^2}{9a}, \frac{2b^2}{9a}$ (ii) $0, 0$ (iii) $\frac{2b^2}{11a}, \frac{2b^2}{11a}$ (iv) $\frac{4b^2}{9a}, \frac{4b^2}{9a}$ (v) $\frac{2b^2}{7a}, \frac{2b^2}{7a}$

14. Solve : $6x^2b^4 - 7axb^2 + 2a^2 = 0$

(i) $\frac{4a}{6b^2}, \frac{a}{2b^2}$ (ii) $\frac{a}{b^2}, \frac{3a}{2b^2}$ (iii) $\frac{a}{3b^2}, -\frac{a}{2b^2}$ (iv) $\frac{a}{2b^2}, \frac{a}{4b^2}$ (v) $\frac{a}{b^2}, \frac{a}{b^2}$

15. Solve : $6x^2 - 3x - 4xb + 2b = 0$

(i) $-\frac{4}{8}, \frac{2b}{3}$ (ii) $-\frac{2}{3}, 2b$ (iii) $-\frac{3}{4}, \frac{4b}{3}$ (iv) $-\frac{1}{4}, 0$ (v) $-\frac{2}{5}, \frac{2b}{5}$

16. Solve : $20x^2b - 5xb - 12x + 3 = 0$

(i) $-\frac{1}{2}, \frac{1}{b}$ (ii) $-\frac{3}{4}, \frac{1}{b}$ (iii) $-\frac{1}{4}, \frac{3}{5b}$ (iv) $-\frac{1}{4}, \frac{1}{5b}$ (v) $-\frac{1}{6}, \frac{3}{7b}$

17. Solve : $12x^2 - 10ax - 6x + 5a = 0$

(i) $-\frac{7a}{6}, \frac{3}{2}$ (ii) $-\frac{5a}{4}, 1$ (iii) $-\frac{a}{2}, -\frac{1}{2}$ (iv) $-\frac{5a}{6}, \frac{1}{2}$ (v) $-\frac{5a}{8}, \frac{1}{4}$

18. Solve : $10x^2 + 4x - 5xb - 2b = 0$

(i) $-\frac{2}{3}, b$ (ii) $-\frac{4}{5}, \frac{b}{2}$ (iii) $-\frac{2}{5}, \frac{b}{2}$ (iv) $-\frac{2}{7}, \frac{b}{4}$ (v) $0, \frac{3b}{2}$

19. Solve : $16x^2a - 12x - 4xa + 3 = 0$

(i) $-\frac{1}{2a}, \frac{1}{4}$ (ii) $-\frac{1}{a}, \frac{1}{2}$ (iii) $-\frac{6}{8a}, \frac{1}{4}$ (iv) $-\frac{3}{5a}, \frac{1}{6}$ (v) $-\frac{1}{a}, \frac{3}{4}$

20. Solve : $15x^2b + 10xb - 3x - 2 = 0$

(i) $-\frac{1}{2}, \frac{1}{7b}$ (ii) $-\frac{1}{3}, \frac{3}{5b}$ (iii) $-\frac{2}{3}, \frac{1}{5b}$ (iv) $-1, \frac{1}{3b}$ (v) $-1, -\frac{1}{5b}$

Assignment Key

1) (iv)	2) (iii)	3) (i)	4) (v)	5) (iv)	6) (v)
7) (iv)	8) (iii)	9) (ii)	10) (i)	11) (v)	12) (v)
13) (i)	14) (i)	15) (i)	16) (iii)	17) (iv)	18) (iii)
19) (iii)	20) (iii)				