

SATPREP

Quadratic Eq (Factoring)

Solve each equation by factoring.

1) $v(v - 5) = 0$

2) $(x + 4)(3x - 2) = 0$

3) $n^2 + 3n = 10$

4) $8x^2 - 56 = -48x$

5) $35r^2 + 39r - 14 = 0$

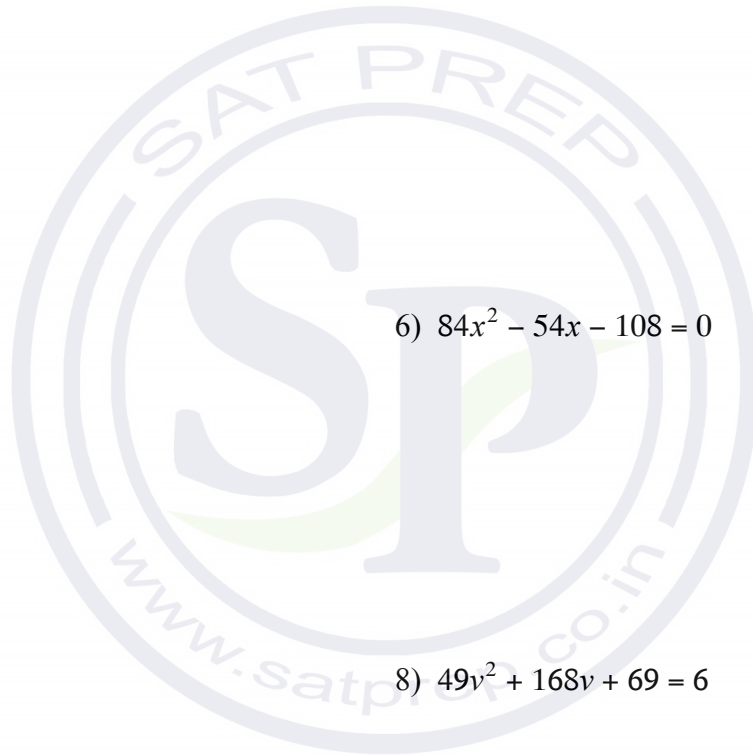
6) $84x^2 - 54x - 108 = 0$

7) $2b^2 - 5b - 4 = -7$

8) $49v^2 + 168v + 69 = 6$

9) $15x^2 - 40x + 17 = -8$

10) $2p^2 + 9p + 17 = 7$



Answers to Quadratic Eq (Factoring)

1) $\{5, 0\}$

2) $\left\{-4, \frac{2}{3}\right\}$

3) $\{-5, 2\}$

4) $\{1, -7\}$

5) $\left\{\frac{2}{7}, -\frac{7}{5}\right\}$

6) $\left\{\frac{3}{2}, -\frac{6}{7}\right\}$

7) $\left\{\frac{3}{2}, 1\right\}$

8) $\left\{-\frac{3}{7}, -3\right\}$

9) $\left\{\frac{5}{3}, 1\right\}$

10) $\left\{-\frac{5}{2}, -2\right\}$

