Solve by factoring

Solve each equation by factoring.

1) $p^2 + 3p - 40 = 0$

2) $n^2 + 6n + 2 = -3$

3) $5n^2 + 32n + 12 = 0$

4) $7b^2 - 33b - 12 = -2$

5) $-7n = -n^2 - 12$

6) $5n^2 - 14n - 9 = 4n - 1$

Answers to Solve by factoring (ID: 1)

1) $\{-8, 5\}$

2) $\{-5, -1\}$

3) $\left\{-\dfrac{2}{5}, -6\right\}$

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

5) $\{3, 4\}$

6) $\left\{-\dfrac{2}{5}, 4\right\}$