

M\$5 Homework 7

1. Solve for x : $3x^2 + 7x + 2 = 0$
2. Solve for x : $2x^2 + 5 = 11x$
3. Solve for x to the nearest tenth: $2x^2 - 3x = 4$
4. Solve for x in simplest radical form: $x^2 - 10x + 13 = 0$

In 5 – 7, factor completely.

5. $3y^2 + 4y + 1$
6. $80 - 5d^2$
7. $36x^2 - 100y^2$
8. Solve and check: $-4 + 3|x + 1| = 8 - 3x$

In 9 – 10, solve and graph the solution set.

9. $\left| \frac{x + 5}{3} \right| < 2$
10. $|2 - x| > 8$