

1. $-7a^2 + 49a = 0$

6. $\frac{a^2}{25} + \frac{a}{25} = 0$

2. $-\frac{1}{2}a^2 - \frac{11}{2}a = 15$

7. $-\frac{21a^2}{4} + \frac{21}{2}a = 0$

3. $-0.75a^2 + 18 = -8.25a$

8. $-0.02a^2 + 0.04a = 0.02$

4. $\frac{x^2}{4} - 14 = \frac{x}{4}$

9. $\frac{a^2}{4} + \frac{7}{4} = 2a$

5. $-0.5a^2 - 6.5a = 20$

10. $\frac{a^2}{21} = \frac{a}{7}$

11. $\frac{x^2}{2} - 3x - \frac{35}{12} = \frac{7}{12}$

15. $\frac{x^2}{50} - \frac{2}{25}x - \frac{7}{100} = \frac{3}{100}$

12. $-2x^2 - 14x - 19 = 1$

13. $\frac{3x^2}{2} - \frac{33}{2}x + \frac{185}{4} = \frac{5}{4}$

14. $2x^2 - 2x - \frac{17}{3} = -\frac{5}{3}$

1) {7, 0}
 5) {-8, -5}
 9) {7, 1}
 13) {5, 6}

2) {-6, -5}
 6) {-1, 0}
 10) {3, 0}
 14) {2, -1}

3) {8, 3}
 7) {2, 0}
 11) {-1, 7}
 15) {5, -1}

4) {8, -7}
 8) {1}
 12) {-5, -2}
 16) {-8, 0}

Answers to Practice on Solving Quadratics (ID: 1)