

Math C

8.1 Practice Problems - part 1

Solve by factoring.

1.  $x^2 - 9x = 0$

2.  $m^2 + m = 0$

3.  $2x + 5x^2 = 0$

4.  $6w^2 + 8w = 0$

5.  $8k = 8k^2$

6.  $r = 2r^2$

7.  $c^2 + 4c - 5 = 0$

8.  $a^2 - 5a - 50 = 0$

9.  $0 = y^2 - 28y + 27$

10.  $0 = r^2 + 13r - 30$

11.  $0 = n^2 - 19n + 18$

12.  $r^2 + 8r - 48 = 0$

**Answer List**

- |                      |             |                      |
|----------------------|-------------|----------------------|
| 1. $0, 9$            | 2. $0, -1$  | 3. $0, -\frac{2}{5}$ |
| 4. $0, -\frac{4}{3}$ | 5. $0, 1$   | 6. $0, \frac{1}{2}$  |
| 7. $-5, 1$           | 8. $10, -5$ | 9. $27, 1$           |
| 10. $-15, 2$         | 11. $18, 1$ | 12. $-12, 4$         |

**Catalog List**

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|---------------|---------------|---------------|
| 1. ALG JB 1   | 2. ALG JB 9   | 3. ALG JB 17  |
| 4. ALG JB 25  | 5. ALG JB 33  | 6. ALG JB 41  |
| 7. ALG JB 49  | 8. ALG JB 53  | 9. ALG JB 57  |
| 10. ALG JB 65 | 11. ALG JB 69 | 12. ALG JB 73 |