

Math C
9.2 (part 2)

Solve by completing the square.

1. $m^2 + 2m = 15$

2. $-28 = c^2 + 16c$

3. $0 = a^2 - 4a - 77$

4. $x^2 - 2x - 35 = 0$

5. $w^2 + 18w + 80 = 0$

6. $0 = m^2 + 14m - 15$

7. $p^2 + 6p = -12$

8. $-18 = r^2 - 8r$

9. $44 = x^2 + 7x$

10. $-30 = k^2 + 11k$

Answer List

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|----------------|----------------|
| 1. 3, -5 | 2. -14, -2 |
| 3. -7, 11 | 4. 7, -5 |
| 5. -8, -10 | 6. 1, -15 |
| 7. \emptyset | 8. \emptyset |
| 9. 4, -11 | 10. -5, -6 |

Catalog List

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|--------------|---------------|--------------|--------------|
| 1. ALG NC 1 | 2. ALG NC 3 | 3. ALG NC 5 | 4. ALG NC 7 |
| 5. ALG NC 13 | 6. ALG NC 15 | 7. ALG NC 17 | 8. ALG NC 19 |
| 9. ALG NC 25 | 10. ALG NC 27 | | |