

Homework 28.1

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Factor each completely.

1) $5m^2 + 24m - 5$

2) $3r^2 - 10r - 8$

3) $3m^2 - 11m + 10$

4) $4n^2 - 12n + 5$

5) $4a^2 + 8a + 3$

6) $6v^2 - 13v + 6$

Solve each system by substitution.

7)
$$\begin{aligned} y &= 4x + 13 \\ -4x - 2y &= -2 \end{aligned}$$

8)
$$\begin{aligned} -3x - 3y &= -9 \\ y &= 6x - 4 \end{aligned}$$

Answers to Homework 28.1

1) $(5m - 1)(m + 5)$

2) $(3r + 2)(r - 4)$

3) $(3m - 5)(m - 2)$

4) $(2n - 1)(2n - 5)$

5) $(2a + 1)(2a + 3)$

6) $(3v - 2)(2v - 3)$

7) $(-2, 5)$

8) $(1, 2)$