

Homework 28.3

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Factor each completely.

1) $2v^2 - 13v + 15$

2) $5k^2 - 6k - 8$

3) $2x^2 - 5x - 3$

4) $6a^2 - 29a + 28$

5) $6n^2 - n - 1$

6) $6x^2 + 17x - 14$

Solve each system by substitution.

7)
$$\begin{aligned} y &= -5x + 9 \\ 4x - 7y &= 15 \end{aligned}$$

8)
$$\begin{aligned} 3x - 7y &= -15 \\ y &= x + 5 \end{aligned}$$

Answers to Homework 28.3

1) $(2v - 3)(v - 5)$

2) $(5k + 4)(k - 2)$

3) $(2x + 1)(x - 3)$

4) $(3a - 4)(2a - 7)$

5) $(3n + 1)(2n - 1)$

6) $(3x - 2)(2x + 7)$

7) $(2, -1)$

8) $(-5, 0)$