

Factoring Progress Check

Date _____

Factor each completely.

1) $45x^4 + 9x^2 + 45x^3$

2) $n^2 - 4n - 21$

3) $4x^2 + 32x - 36$

4) $2b^2 - 21b + 27$

5) $6v^2 - 11v - 72$

6) $9x^2 + 30xy + 25y^2$

Answers to Factoring Progress Check

1) $9x^2(5x^2 + 1 + 5x)$

2) $(n + 3)(n - 7)$

3) $4(x + 9)(x - 1)$

4) $(2b - 3)(b - 9)$

5) $(2v - 9)(3v + 8)$

6) $(3x + 5y)^2$