

Math 2 Practice Quiz 2.8

Period _____

Factor each completely.

1) $k^2 - 4$

2) $4n^2 - 9$

3) $4x^2 - 1$

4) $25v^2 - 9$

5) $x^4 - 25$

6) $18k^4 - 50$

7) $25a^4 - 9b^4$

8) $50x^5 - 8y^4x$

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Factor each completely.

1) $k^2 - 4$

$(k + 2)(k - 2)$

2) $4n^2 - 9$

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

3) $4x^2 - 1$

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

4) $25v^2 - 9$

$(5v + 3)(5v - 3)$

5) $x^4 - 25$

$(x^2 + 5)(x^2 - 5)$

6) $18k^4 - 50$

$2(3k^2 + 5)(3k^2 - 5)$

7) $25a^4 - 9b^4$

$(5a^2 + 3b^2)(5a^2 - 3b^2)$

8) $50x^5 - 8y^4x$

$2x(5x^2 + 2y^2)(5x^2 - 2y^2)$