Algebra 1 Name:

Unit 9 Day 6 Classwork

Factor each expression completely. Don’t forget to check for a GCF first! Please use the back or another sheet of paper if you need more space and number your problems.

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| Answers: |
| A) $\left(x+4\right)^{2}$B) $5(5x+2)(5x-2)$C) $2\left(x-8\right)(x+8)$D) $3\left(x+1\right)\left(x-1\right)$ | E) $(x+3)^{2}$F) $(x-3)^{2}$G) $5(5x+1)(5x-1)$H) $(x-3)(x+3)$ | I) $2(x+1)^{2}$J) $2(x+4)(x-4)$K) $(2x+1)^{2}$L) $(5x+1)(5x-1)$ |
| \_\_\_\_ 1. $x^{2}+8x+16$ | \_\_\_\_ 2. $2x^{2}-32$ | \_\_\_\_ 3. $3x^{2}-3$ |
| \_\_\_\_ 4. $4x^{2}+4x+1$ | \_\_\_\_ 5. $x^{2}+6x+9$ | \_\_\_\_ 6. $125x^{2}-5$ |
| \_\_\_\_ 7. $25x^{2}-1$ | \_\_\_\_ 8. $125x^{2}-20$ |  |