Algebra 1 Name:
HOYA Block – Unit 9 Factoring Quadratics

Answers:

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| --- | --- | --- | --- | --- | --- |
| A: $3(x-2)(x+4)$ | B: $4x\left(x-3\right)$ | C: $2(x+2)(x+4)$ | D: $(5x-3)(x-2)$ | E: $\left(5x-6\right)\left(x-5\right)$ | F: $(x-2)^{2}$ |
| G: $\left(4x+1\right)\left(4x-1\right)$ | H: $3(x+2)^{2}$ | I: $2\left(x+2\right)^{2}$ | J: $\left(x+2\right)\left(x-2\right)$ | K: $\left(2x-5\right)\left(3x-2\right)$ | L: $2\left(3x+1\right)\left(3x-1\right)$ |
| M: $(5x-1)^{2}$ | N: $\left(4x+1\right)^{2}$ | O: $3\left(3x+2\right)\left(3x-2\right)$ | P: $(2x+3)(x+5)$ | Q: $\left(3x+2\right)\left(2x+1\right)$ | R: $6x(x-6)$ |

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| $$3x^{2}+12x+12$$ | $$16x^{2}-1$$ | $$6x^{2}-19x+10$$ | $$6x^{2}-36x$$ |
| $$3x^{2}+6x-24$$ | $$2x^{2}+8x+8$$ | $$18x^{2}-2$$ | $$27x^{2}-12$$ |
| $$x^{2}-4x+4$$ | $$x^{2}-4$$ | $$16x^{2}+8x+1$$ | $$2x^{2}+13x+15$$ |