

FACTORING PUZZLE

Cutout all the pieces. Then match the equivalent expressions. Show all work on a separate sheet of paper.

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|------------|---------------|-------------|
| | $(7x-5)(x-2)$ | |
| $(2x+5)^2$ | | $3x^2+2x-1$ |

| | | |
|------------------|----------------|------------|
| | $(4x-1)(4x+1)$ | |
| $(-5)(x+3)(x+5)$ | | $4x^2+x-5$ |
| | $9x^2-4$ | |

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|--|-----------|-------------|
| | $(x+3)^2$ | |
| | | $x^2+3x-18$ |
| | $4x^2-25$ | |

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| | | |
| $(3x+2)(2x+3)$ | | |
| | $6x^2+41x+30$ | |

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|---------------|----------------|-------------|
| | $(5x-4)(5x+4)$ | |
| $(8+x)(-2-x)$ | | $9x^2+2x+4$ |
| | $16x^2-1$ | |

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|-----------------|----------------|------------|
| | $(3x-2)(3x+2)$ | |
| $(1+x)(1-x)(3)$ | | x^2-x-12 |

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|--------------|------------|--------------|
| | | |
| $(4-x)(4+x)$ | | $6x^2+13x+6$ |
| | $25x^2-16$ | |

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|--|----------------|---------------|
| | $(2x+5)(2x-5)$ | |
| | | $(x^2-6x-16)$ |
| | x^2+4x+3 | |

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|--------------|--------------|----------|
| | | |
| $(9-x)(2+x)$ | | x^2-16 |
| | $x^2-10x+24$ | |

| | | |
|--------------|-----------|--|
| | $(x-4)^2$ | |
| $(4-x)(3+x)$ | | |

| | | |
|--------------|--------------|-------------|
| | $(x-4)(x-6)$ | |
| $(9+x)(3-x)$ | | $x^2+6x-16$ |
| | x^2-9 | |

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|--|------------|-------------|
| | | |
| | | $x^2-4x-12$ |
| | x^2+6x+9 | |

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|------------|---------------|--|
| | $(x+6)(6x+5)$ | |
| $(3x+2)^2$ | | |
| | $x^2-7x+12$ | |

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|--------------|---------------|-------------|
| | $(x+3)(x-3)$ | |
| $(8-x)(2+x)$ | | $x^2-2x-15$ |
| | $7x^2-19x+10$ | |

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|---------------|--------------|--|
| | $(x-4)(x-3)$ | |
| $(4x+5)(x-1)$ | | |
| | $x^2-8x+16$ | |

| | | |
|--|--------------|---------------|
| | $(x+3)(x+1)$ | |
| | | $4x^2+20x+25$ |