



Simplifying Algebraic Expressions

Name _____

Score _____

SAE:11

Simplify each expression and tick the answer. Find the problem number on the coloring page and color each section with the appropriate color.

Q. No	Expressions	Answer 1	Answer 2	Answer 3
1)	$3p^2 - p(4 - p) + 6p$	$4p^2 - 2p$ Pink	$2p^2 + 4p$ Red	$4p^2 + 2p$ Yellow
2)	$5g - 3 + 4h - 1 - 2h - 8g$	$-3g + 2h + 4$ Black	$-3g + 2h - 4$ Green	$-2g + 3h - 4$ Purple
3)	$u(4 - v) + 2v(3 + u) - u + v$	$3u + uv + 7v$ Red	$3u + 7uv + v$ Yellow	$u + 3uv + 7v$ White
4)	$b(b - 7) - 3b(2 - b)$	$-4b^2 - 13b$ Purple	$4b^2 - 13b$ Brown	$4b^2 + 13b$ Green
5)	$3x^3 - y^3 - 2y^3 + x^3 - 2y^3 + 4x^3$	$5x^3 - 8y^3$ White	$-8x^3 - 5y^3$ Pink	$8x^3 - 5y^3$ Purple
6)	$t + 5 - 4t + 1 - 2t - 8$	$-5t - 2$ Blue	$2t - 5$ Black	$5t - 2$ Red
7)	$2(k^2 - 4) - 6(5 + k^2)$	$-k^2 - 38$ Pink	$-2k^2 - 38$ Purple	$-4k^2 - 38$ Orange
8)	$ab + 3 - 3ab - 1 + 2ab - 7$	ab Green	-5 Pink	$ab - 5$ Black



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2)	$5g - 3 + 4h - 1 - 2h - 8g$	$-3g + 2h + 4$ Black	$-3g + 2h - 4$ Green ✓	$-2g + 3h - 4$ Purple
3)	$u(4 - v) + 2v(3 + u) - u + v$	$3u + uv + 7v$ Red ✓	$3u + 7uv + v$ Yellow	$u + 3uv + 7v$ White
4)	$b(b - 7) - 3b(2 - b)$	$-4b^2 - 13b$ Purple	$4b^2 - 13b$ Brown ✓	$4b^2 + 13b$ Green
5)	$3x^3 - y^3 - 2y^3 + x^3 - 2y^3 + 4x^3$	$5x^3 - 8y^3$ White	$-8x^3 - 5y^3$ Pink	$8x^3 - 5y^3$ Purple ✓
6)	$t + 5 - 4t + 1 - 2t - 8$	$-5t - 2$ Blue ✓	$2t - 5$ Black	$5t - 2$ Red
7)	$2(k^2 - 4) - 6(5 + k^2)$	$-k^2 - 38$ Pink	$-2k^2 - 38$ Purple	$-4k^2 - 38$ Orange ✓
8)	$ab + 3 - 3ab - 1 + 2ab - 7$	ab Green	-5 Pink ✓	$ab - 5$ Black



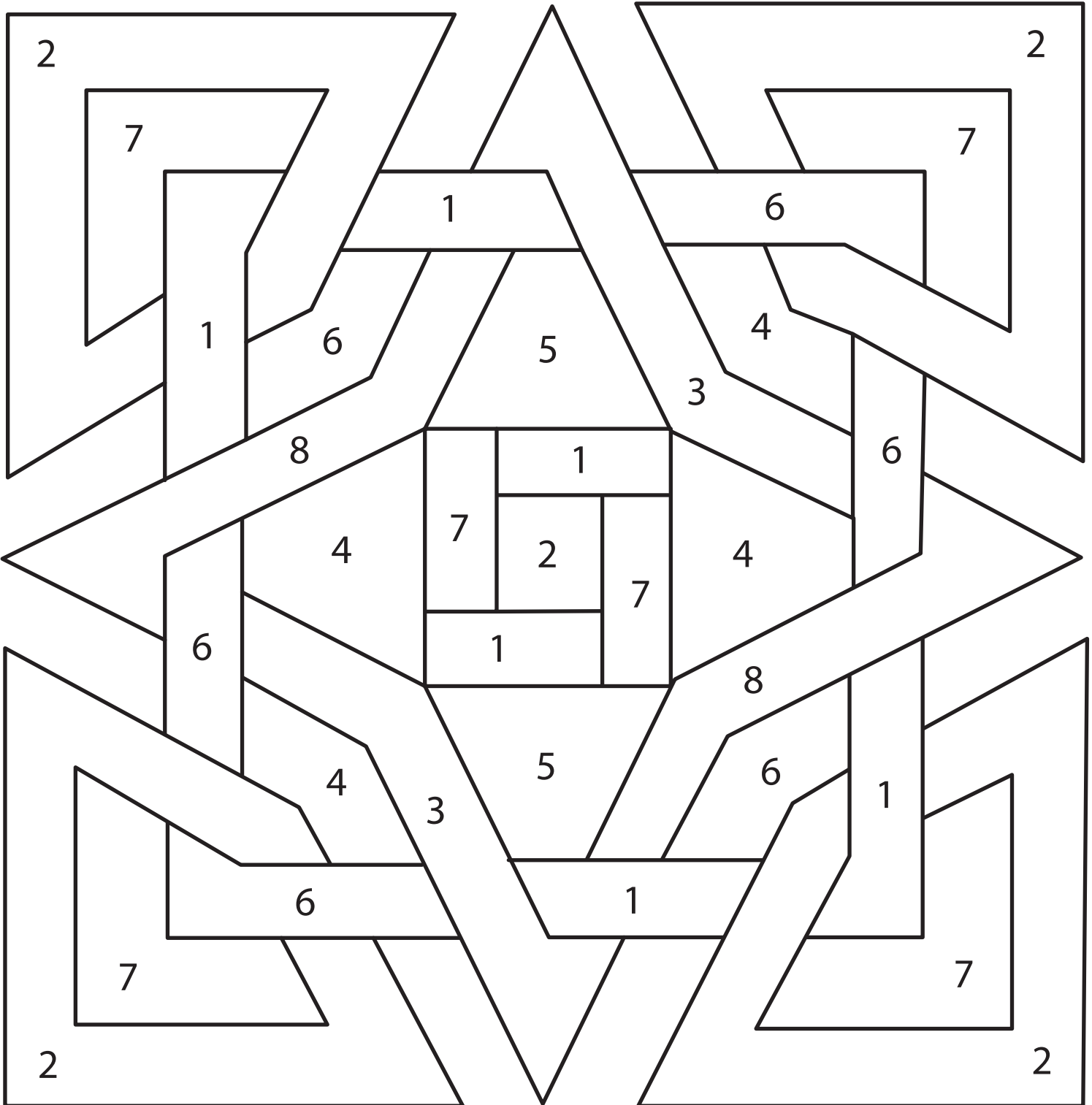
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SAE:11a

Use the above question sheet to color the shape given below. The number in the diagram represents the question number on the previous page.





Simplifying Algebraic Expressions

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Answer key

SAE:11b

Use the above question sheet to color the shape given below. The number in the diagram represents the question number on the previous page.

