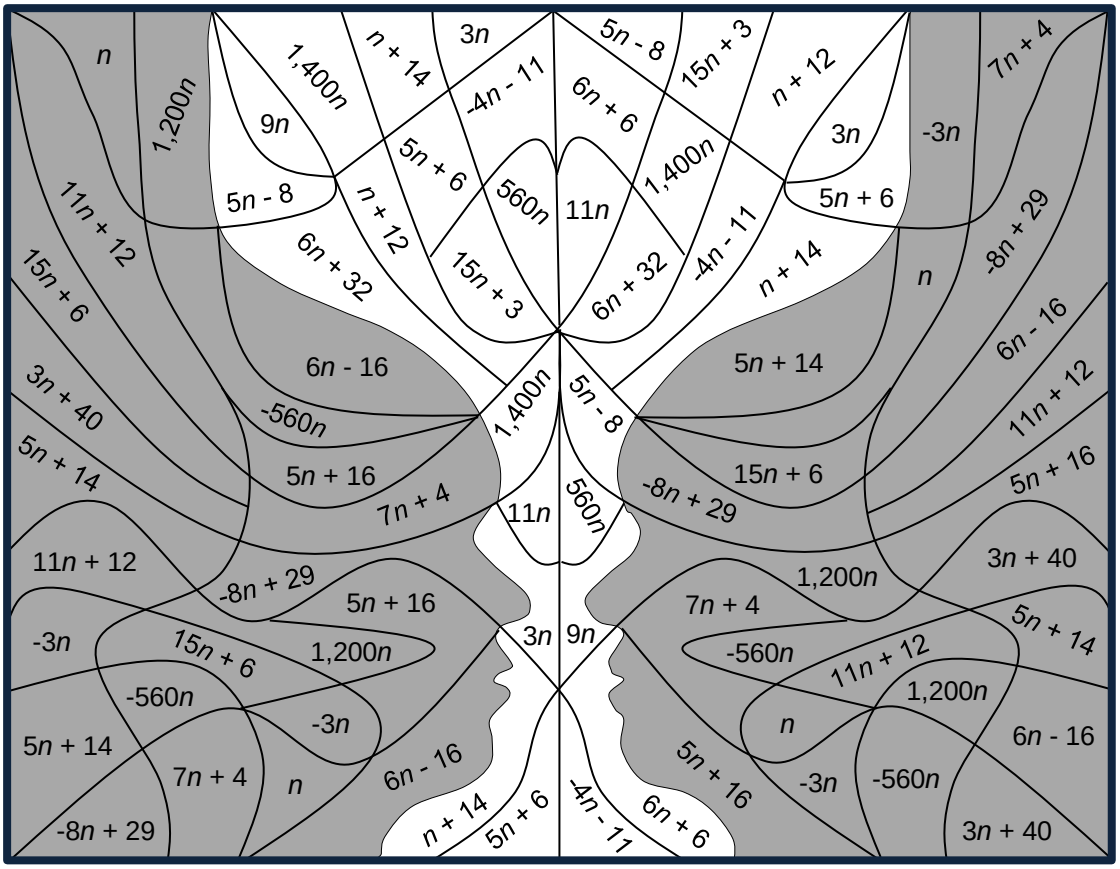
ANSWER, FIND, AND SHADE

THE THREE BASIC PROPERTIES

ANSWERS

Use the properties to simplify each expression.



Rubin's vase, or is it face?

1. $5(2 + n) + 4$

   5n + 14

2. $5 + 3n - 5 - 6n$

   -3n

3. $-2(n - 10) - 6n + 9$

   -8n + 29

4. $(2 + 3n) + (2 + 4n)$

   7n + 4

5. $3(2n + 2) - (5n + 6)$

   n

6. $-5(n - 4) + 8n + 20$

   3n + 40

7. $7 \cdot 5n \cdot 8 \cdot -2$

   -560n

8. $(3 + 7n)2 + n$

   15n + 6

9. $9n + 3 + 2n + 9$

   11n + 12

10. $(20n + 4) - 3(5n - 4)$

    5n + 16

11. $4 \cdot 12n \cdot 25$

    1,200n

12. $6(n - 4) + 8$

    6n - 16