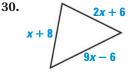
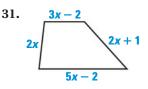
GEOMETRY Write a polynomial that represents the perimeter of the figure.





ADDING AND SUBTRACTING POLYNOMIALS Find the sum or difference.

32. $(3r^2s + 5rs + 3) + (-8rs^2 - 9rs - 12)$ **33.** $(x^2 + 11xy - 3y^2) + (-2x^2 - xy + 4y^2)$ **34.** (5mn + 3m - 9n) - (13mn + 2m)**35.** $(8a^2b - 6a) - (2a^2b - 4b + 19)$

- **36.** CHALLENGE Consider any integer *x*. The next consecutive integer can be represented by the binomial (x + 1).
 - **a.** Write a polynomial for the sum of any two consecutive integers.
 - **b.** *Explain* how you can be sure that the sum of two consecutive integers is always odd. Use the polynomial from part (a) in your explanation.

PROBLEM SOLVING

