

3.2 Practice A**Find the sum.**

1. $(p - 3) + (p - 7)$
 2. $(3n - 1) + (4 - n)$
 3. $(-3r + 8) + (5r - 1)$
 4. $6(x - 3) + (2x - 9)$
 5. $(3c + 2) + 4(1.3c - 5)$
 6. $10(2.1q - 2) + (7.5q + 18)$
 7. $(-6y - 2) + 5(3 + 2.5y)$
 8. $\frac{1}{2}(6x - 10) + \frac{1}{3}(6 + 9x)$
9. After a week of rain, tadpoles appeared in your pond. After t minutes, you have $(7t + 5)$ tadpoles and your friend has $(8t - 3)$ tadpoles.
- a. Write an expression that represents the number of tadpoles you and your friend caught together.
 - b. Who has more tadpoles after 9 minutes?

Find the difference.

10. $(k + 3) - (3k - 5)$
 11. $(-6d + 2) - (7 + 2d)$
 12. $(10j - 7) - (-9j + 2)$
 13. $(3x + 8) - 6(2.5x - 3)$
 14. $(7 - 3t) - 5(-1.6t + 5)$
 15. $\frac{1}{2}(12w + 8) - \frac{1}{5}(10w - 5)$
16. The admission to a local fair is \$10 for each adult and \$6 for each child. Each ride costs \$1.50 for an adult and \$1 for a child.
- a. Write an expression that represents how much more an adult will spend at the fair.
 - b. An adult and a child each go on 7 rides. How much more did the adult spend?
17. Write an expression that represents the perimeter of the triangle.

