

Review**Simplify the following numerical expressions.**

1. $9 - 3(5 + 1)$

2. $4^2 + 6(2) - 1$

3. $\frac{3-17}{3^2-2}$

Simplify the following algebraic expressions.

4. $9x - 5x + 7$

5. $4(3x - 5)$

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

7. $9h + 8 + 3h - 2$

8. $-3(3p - 5) - 5$

9. $6 - 2(3n + 5)$

Evaluate the following expressions.

10. $2x - 5$ when $x = -4$

11. $5a + 2b - 1$ when $a = 3$
and $b = -2$

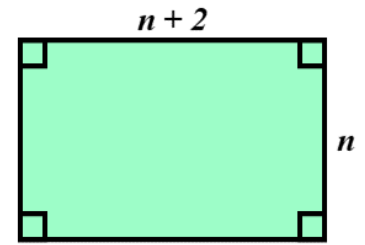
12. $4(2n + 3) + n$ when $n = 5$

Write an expression to model the following.

13. The sum of twice number and six.

14. Bob has h amount of hot wheels. Sara has 15 more hot wheels than Bob. How many hot wheels does Sara have?

15. What is the perimeter?



Write an expression to model the following. Then evaluate.

16. The product of a number n and three.

a. Write an expression.

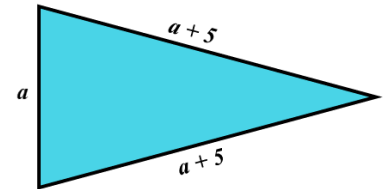
b. Evaluate when $n = -4$

17. Bob has 25 dollars saved up. He makes 10 dollars per hour babysitting.

a. Write an expression to show Bob's money after work h hours.

b. How much money will Bob after 8 hours of work?

18. Given the triangle below.



a. Write an expression to show the perimeter of the triangle.

b. Find the perimeter if $a = 5$

Multiple Choice

19. Which value of x makes $3x - 5 = 10$ a true statement?

- (A) $x = 3$
- (B) $x = 4$
- (C) $x = 5$
- (D) $x = 6$

20. Which value of y makes $8 - 3y = -22$ a true statement?

- (A) $y = 7$
- (B) $y = 8$
- (C) $y = 9$
- (D) $y = 10$