

Quiz 1.2 Topics

Simplifying Expressions

1. Distribute
2. Combine Like-Terms

$$\begin{aligned}
 & -2(a+3) + 1 - 5a \\
 & \underline{-2a - 6 + 1 - 5a} \\
 & \underline{-7a - 5} \\
 & -3x - 5y + 10x + 2 - 13 - 7y \\
 & \underline{-13x - 2y - 11}
 \end{aligned}$$

Translating Expressions

- "less than" - turn around phrase
- "quotient" - means division

The quotient of seven and a number increased by three

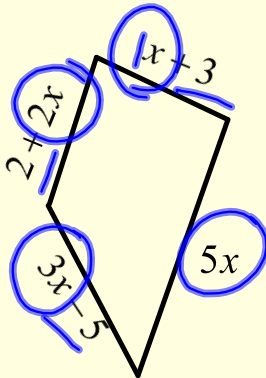
$$7 \div x + 3$$

The product of two less than a number and eight

$$(a-2)8$$

Perimeter

1. Find the perimeter (simplest form w/ variables)
2. Evaluate the variable for the value given



- a) Find the perimeter of the quadrilateral to the right

$$11x$$

- b) Evaluate the perimeter if $x=3$

$$11(3) = 33$$