

Independent Practice

Equations and Inequalities A.3

Read and solve.

1. Which is an example of the commutative property of addition?

- A. $3 + 5m = 3 + (1 + 4)m$
- B. $3 + 5m = 5m + 3$
- C. $3 + 5m = (3 + 5)m$
- D. $3 + 5m = 3m + 5$

2. What property of real numbers justifies the following statements?

$$4x(y + 2) - 3y \text{ is equivalent to } 4x(y) + 4x(2) - 3y$$

- A. the associative property of multiplication
 - B. the commutative property of multiplication
 - C. the distributive property of multiplication over addition
 - D. the closure property of multiplication
3. The statement “If $2(3a - 4) = 12$, then $6a - 8 = 12$ ” is justified by the
- A. Associative property of multiplication
 - B. Multiplication property of equality
 - C. Addition property of equality
 - D. Distributive property