

2. Use algebra tiles to model each equation.

a) $2(y + 5) = 2y + 10$

b) $3(w - 1) = 3w - 3$

3. Use the distributive property to expand each expression.

a) $3(u - 6) =$ _____

b) $2(5 + q) =$ _____

c) $5(r + 1) =$ _____

d) $7(3 - p) =$ _____

4. Expand.

a) $-6(a - 7) =$ _____

b) $4(-5 - w) =$ _____

c) $-2(x - 20) =$ _____

d) $-1(b + 8) =$ _____

5. Vanessa expanded $3(y - 2)$ below. Did she make an error? YES/NO

$$3(y - 2) = 3y - 5$$

If so, write the correct solution.

6. Hazar is having 4 friends over to play video games. Each person will spend \$6 on game rental and \$4 on drinks and snacks.

a) Write two expressions for the total cost for Hazar and his friends.

b) Evaluate each of the expressions.

c) Show how the distributive property is being illustrated in this question.
