

Turn quiz over when done.

HW 18 due tomorrow. 

HW 19 due Friday 2/21.

Associative
Commutative
Distributive

We've learned three mathematical properties.

Associative

Change the grouping symbols, get the same answer.

Commutative

Change the order, get the same answer.

Distributive

Multiplication can be distributed: $3(24) = 3(20) + 3(4)$.

Which property was used?

$$\begin{aligned} \textcircled{1} \quad & 3x + 18 + (-2x) + 2 \\ & = 3x + (-2x) + 18 + 2 \\ & = x + 20 \end{aligned}$$

Commutative

$$\begin{aligned} \textcircled{2} \quad & 3x + 2(4x - 8) \\ & = 3x + (8x - 16) \\ & = 11x - 16 \end{aligned}$$

Distributive

Which property was used?

$$\begin{aligned} & (3x + 4) - 6 \\ &= 3x + (4 - 6) \\ &= 3x - 2 \end{aligned}$$

Associative

$$\begin{aligned} & 3x \cdot 4 \\ &= 4 \cdot 3x \\ &= 12x \end{aligned}$$

Commutative

