MATH 85
WEEK 2 REVIEW

Simplify the following:

2 + 6 \cdot 3 - 5

3 + 2 (11 - 2 \cdot 3)

Evaluate each expression if: \(x = 4\); \(y = 3\); and \(b = 1\)

\[4x - 3y + b\quad \frac{4xy + 7b}{x + b}\]

Multiply:

7(3 + 5y)

4(5z + 3b - 9t)

Simplify; Be sure to show all your work.

\[
\begin{align*}
\frac{7 \cdot 24}{8 \cdot 49} & \quad \frac{3 \div 6}{4 \div 7} & \quad \frac{9 - 1}{13 - 2}
\end{align*}
\]

Follow the directions for problems (a) through (d)

a) Rewrite using only the commutative law of multiplication:

\[16n + st\]

b) Rewrite using only the associative law of multiplication:

\[3(ab)\]

c) Rewrite using only the commutative law of addition:

\[8m + 2n\]

d) Rewrite using only the associative law of addition:

\[(a + b) + 9\]