## Equivalent Expressions Worksheets

1. Write an equivalent expression to $2 x+3+5 x+6$ by combining like terms.
2. Find the sum of $-3 a+2$ and $5 a-3$
3. Find the sum of $(8 a+2 b-4)$ and $(3 b-5)$.

## Equivalent Expressions Worksheets

1. Write an equivalent expression to $2 x+3+5 x+6$ by combining like terms.

$$
\begin{aligned}
& 2 x+3+5 x+6 \\
& 2 x+5 x+3+6 \\
& 7 x+9
\end{aligned}
$$

2. Find the sum of $-3 a+2$ and $5 a-3$

$$
\begin{gathered}
(-3 a+2)+(5 a-3) \\
-3 a+2+5 a+(-3) \\
-3 a+5 a+2+(-3) \\
2 a+(-1) \\
2 a-1
\end{gathered}
$$

3. Find the sum of $(8 a+2 b-4)$ and $(3 b-5)$.

$$
\begin{aligned}
& (8 a+2 b-4)+(3 b-5) \\
& 8 a+2 b+(-4)+3 b+(-5) \\
& 8 a+2 b+3 b+(-4)+(-5) \\
& 8 a+(5 b)+(-9) \\
& 8 a+5 b-9
\end{aligned}
$$

