Balancing Act

Solve each equation in the box below. Then, write an equation on each pan of the scales so that the two equations on each scale are related.

\[
\begin{align*}
7 + 3 &= \square \quad & 9 - 4 &= \square \\
\square - 9 &= 4 \quad & \square + 2 &= 3 \\
\square - 3 &= 7 \quad & 9 + 4 &= \square \\
\square - 2 &= 6 \quad & 3 - 2 &= \square \\
6 + 2 &= \square \quad & 9 + 1 &= \square \\
\square - 1 &= 9 \quad & 4 + \square &= 9
\end{align*}
\]

1. 

2. 

3. 

4. 

5. 

6. 

Write your own two related equations on each pan of the scales.

7. 

8.
Balancing Act

Solve each equation in the box below. Then, write an equation on each pan of the scales so that the two equations on each scale are related.

\[
\begin{align*}
7 + 3 &= 10 \\
13 - 9 &= 4 \\
10 - 3 &= 7 \\
6 + 2 &= 8 \\
1 + 2 &= 3 \\
9 + 4 &= 13 \\
8 - 2 &= 6 \\
9 + 1 &= 10
\end{align*}
\]

1. \[7 + 3 = 10\] \[10 - 3 = 7\]
2. \[9 - 4 = 5\] \[4 + 5 = 9\]
3. \[6 + 2 = 8\] \[8 - 2 = 6\]
4. \[3 - 2 = 1\] \[1 + 2 = 3\]
5. \[13 - 9 = 4\] \[9 + 4 = 13\]
6. \[10 - 1 = 9\] \[9 + 1 = 10\]

Write your own two related equations on each pan of the scales.

Equations will vary. Check students’ work.