$\qquad$ per. $\qquad$

## Special Cases Worksheet

| No solution: <br> When the two sides don't equal each other. | One solution: When $x=$ a number. $\begin{array}{r} 2 x=20 \\ x=10 \end{array}$ | Many solutions: <br> When the two sides are equal. |
| :---: | :---: | :---: |

Directions: Decide how many solutions each equation will have and prove it by solving the equation.

1) $x+x=2$
I think there is going to be solution(s).

The answer to my equation shows there are $\qquad$ solution(s).
4) $2 y+5=2 y-9$
2) $b=-b+2$

I think there is going to be

$$
\ldots \text { solution(s). }
$$

The answer to my equation shows there are $\qquad$ solution(s).
3) $9 x-8=-8+9 x$

I think there is going to be solution(s).
$\qquad$

The answer to my equation shows there are solution(s).
5) $-2(w-18)=16 w$

I think there is going to be solution(s).

