1. $|2y - 5| = 5$, so

$$2y - 5 = 5 \qquad\qquad or \qquad\qquad 2y - 5 = -5$$
$$2y = 5 + 5 \qquad\qquad\qquad\qquad\qquad 2y = -5 + 5$$
$$2y = 10 \qquad\qquad\qquad\qquad\qquad\qquad 2y = 0$$
$$\frac{2y}{2} = \frac{10}{2} \qquad\qquad\qquad\qquad\qquad\qquad y = 0$$

Hence the solutions are: $y = 5$ and $y = 0$

2. $|6z - 3| = 2$, so

$$6z - 3 = 2 \qquad\qquad or \qquad\qquad 6z - 3 = -2$$
$$6z = 2 + 3 \qquad\qquad\qquad\qquad\qquad 6z = -2 + 3$$
$$6z = 5 \qquad\qquad\qquad\qquad\qquad\qquad 6z = 1$$
$$\frac{6z}{6} = \frac{5}{6} \qquad\qquad\qquad\qquad\qquad \frac{6z}{6} = \frac{1}{6}$$

Hence the solutions are: $z = \dfrac{5}{6}$ and $z = \dfrac{1}{6}$

3. $|6x - 2| = 2$, so

$$6x - 2 = 2 \qquad\qquad or \qquad\qquad 6x - 2 = -2$$
$$6x = 2 + 2 \qquad\qquad\qquad\qquad\qquad 6x = -2 + 2$$
$$6x = 4 \qquad\qquad\qquad\qquad\qquad\qquad 6x = 0$$
$$\frac{6x}{6} = \frac{4}{6} \qquad\qquad\qquad\qquad\qquad x = 0$$

Hence the solutions are: $x = \dfrac{2}{3}$ and $x = 0$

4. $|2y - 2| = 3$, so

$$2y - 2 = 3 \qquad\qquad or \qquad\qquad 2y - 2 = -3$$
$$2y = 3 + 2 \qquad\qquad\qquad\qquad\qquad 2y = -3 + 2$$
$$2y = 5 \qquad\qquad\qquad\qquad\qquad\qquad 2y = -1$$
$$\frac{2y}{2} = \frac{5}{2} \qquad\qquad\qquad\qquad\qquad \frac{2y}{2} = \frac{-1}{2}$$

Hence the solutions are: $y = \dfrac{5}{2}$ and $y = -\dfrac{1}{2}$

5. $|5z - 4| = 0$, so

$$5z - 4 = 0$$
$$5z = 4$$
$$\frac{5z}{5} = \frac{4}{5}$$

Hence the solution is: $z = \dfrac{4}{5}$