習題集 2 簡答

1. There is no such x-value.

2. $x = -3$.

3. There is no such x-value.

4. $a = 3$.

5. $a = 0$, $b = -2$.

6. There is no such x-value.

7. There is no such x-value.

8. $x = 2$, $\dfrac{\pi}{2} - 2 + k\pi$ $(k \in \mathbb{Z})$.

9. $x \geq \sqrt[6]{6}$ but $x \neq \sqrt[6]{6^6 + 6}$, or, $x \leq -\sqrt[6]{6}$ but $x \neq -\sqrt[6]{6^6 + 6}$. That is, the set $[\sqrt[6]{6}, \infty) - \{\sqrt[6]{6^6 + 6}\} \cup (-\infty, -\sqrt[6]{6}] - \{-\sqrt[6]{6^6 + 6}\}$.

10. $\dfrac{1}{4}$.