Solve for x

1.
$$3x - (x + 7) = \frac{x}{2}$$

$$2. \quad \frac{5}{2}(x-2) = \sqrt{4x^2}$$

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$$3x - (x + 7) = \frac{x}{2}$$
 2. $\frac{5}{2}(x - 2) = \sqrt{4x^2}$ 3. $\sqrt[3]{\left(\frac{x}{3}\right)} - 1 = 1$

4.
$$\frac{\sqrt{x}}{2} + 5 = 7(\sqrt{x} - 2)$$

5.
$$-9x + 7 = \frac{3}{2}(2 - 6x)$$

4.
$$\frac{\sqrt{x}}{2} + 5 = 7(\sqrt{x} - 2)$$
 5. $-9x + 7 = \frac{3}{2}(2 - 6x)$ 6. $-(-2 - 3x) = \sqrt{2}(\sqrt{8} + \frac{x}{\sqrt{2}})$