

Determine if the following equations are sometimes true, always true, or never true. Support your conclusions.

$$\frac{a+2}{b+2} = \frac{a}{b}$$

$$x + x = x^2$$

$$\frac{a+2}{b+2} = \frac{a}{b} + 1$$

$$\begin{aligned} 6x^2 + 13x - 5 \\ = (3x - 1)(2x + 5) \end{aligned}$$

$$\frac{x-y}{y-x} = -1$$

$$\frac{2x+9}{3} = \frac{2x+3}{1}$$

$$\frac{x+y}{y+x} = 1$$

$$\frac{4-x^2}{x-2} = -1(x+2)$$