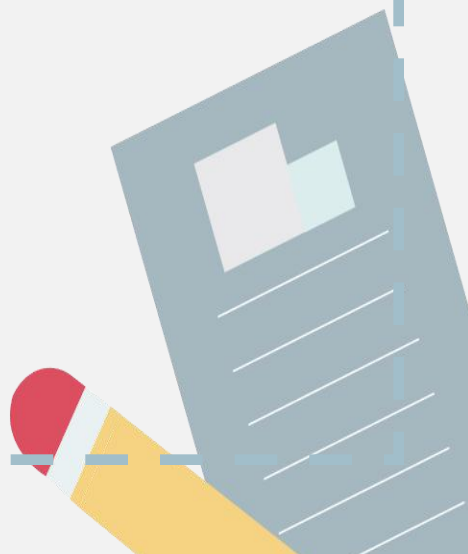
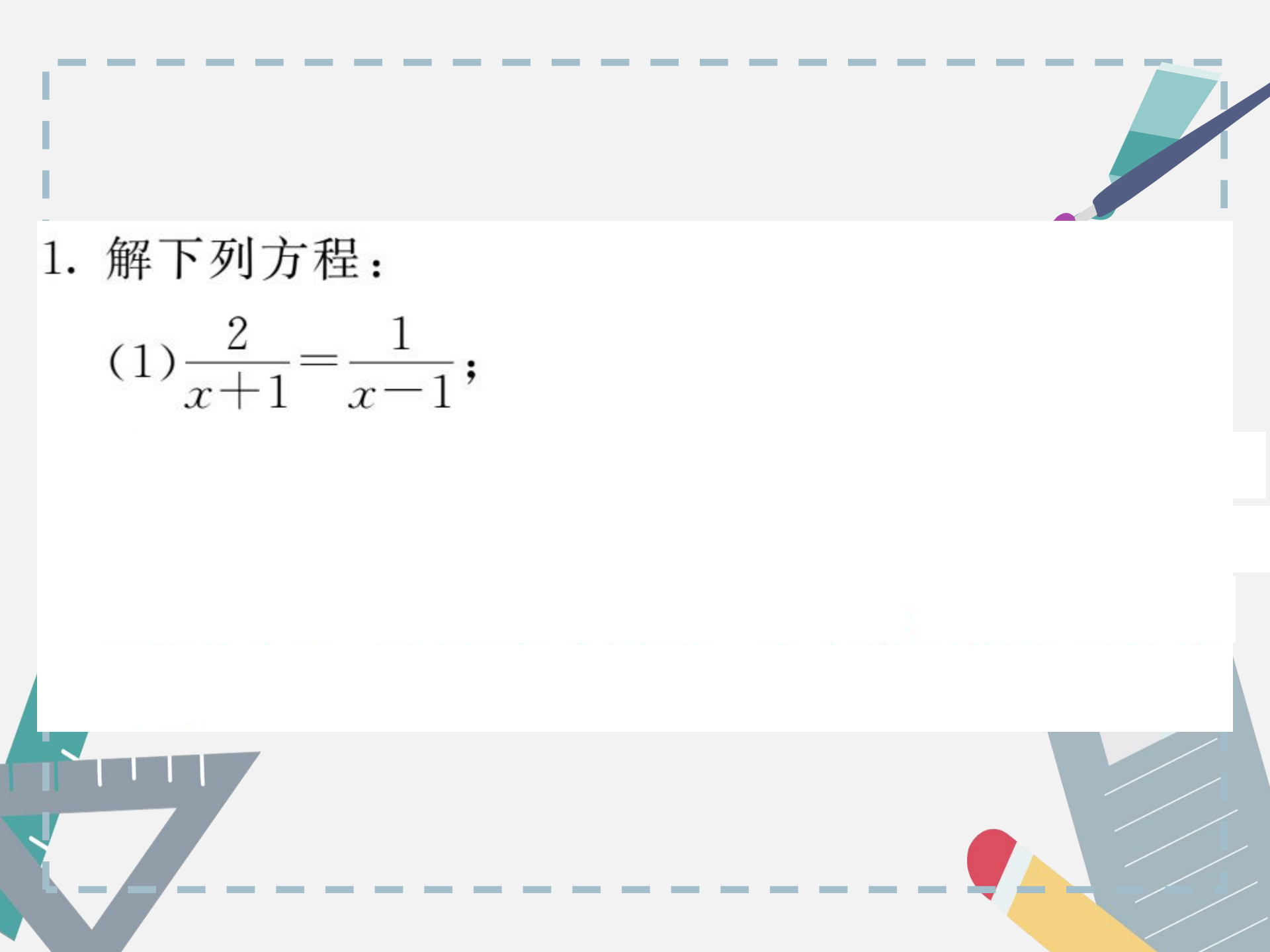




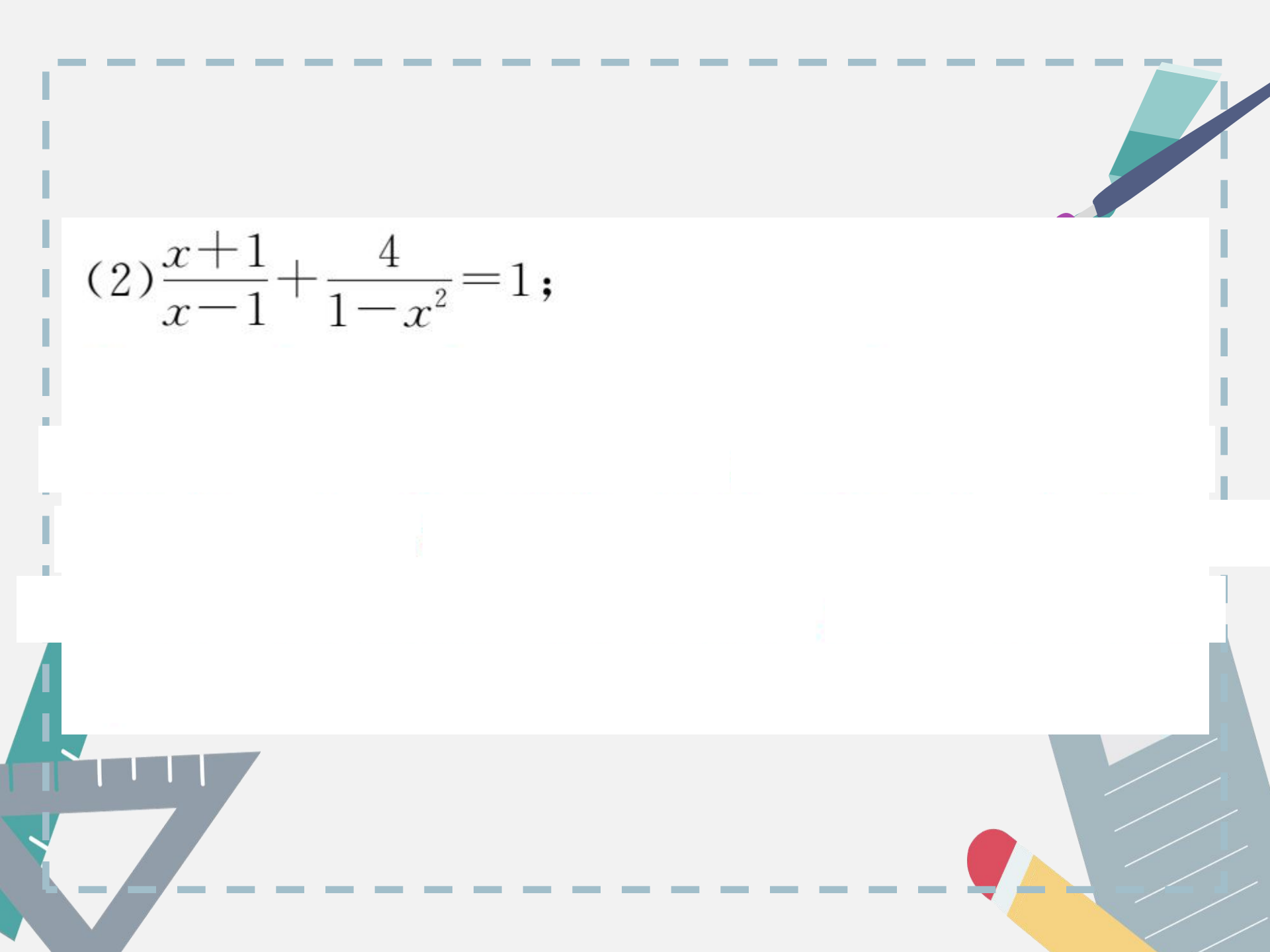
基本功专项训练(十四) 解分式方程

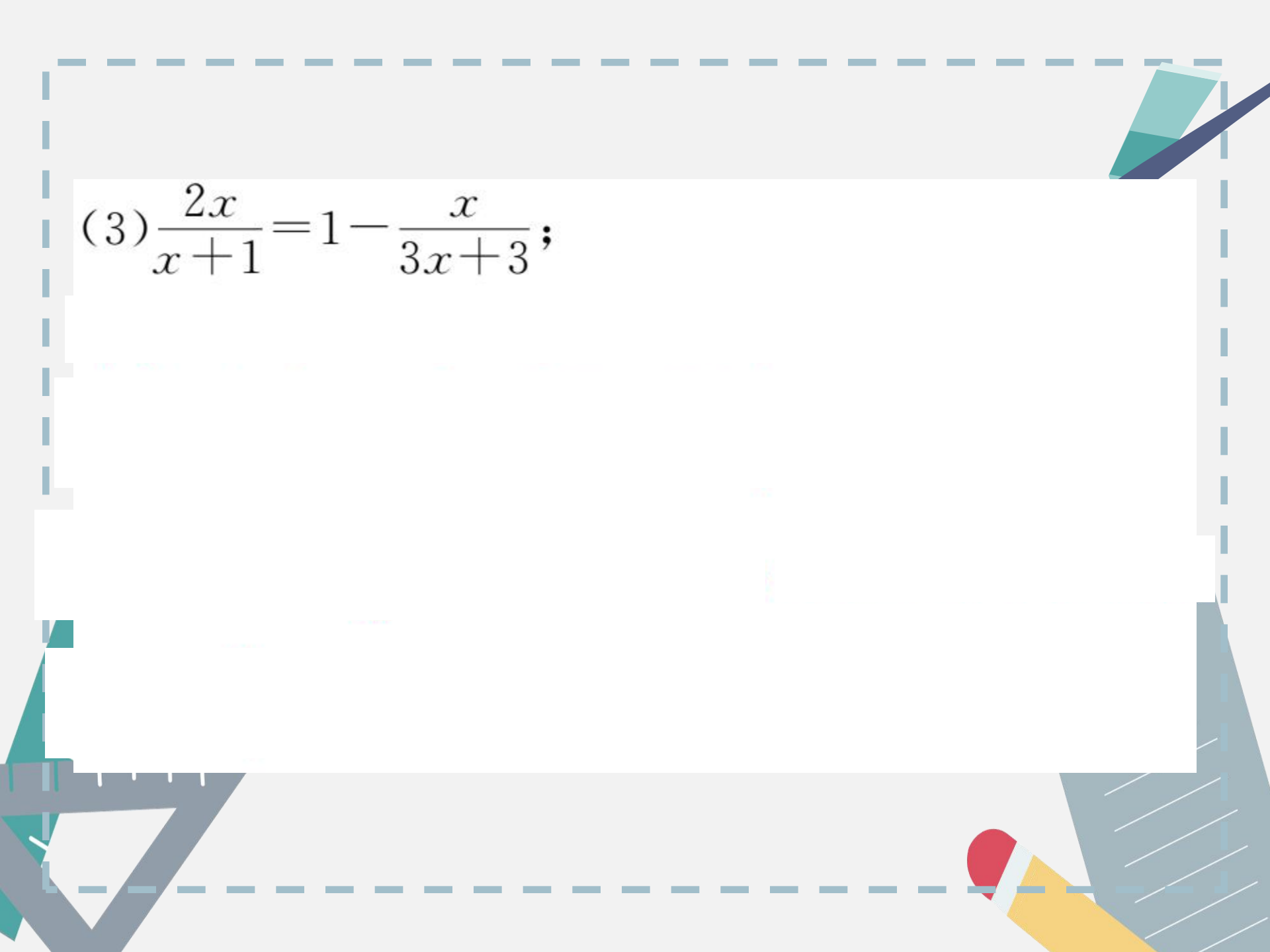


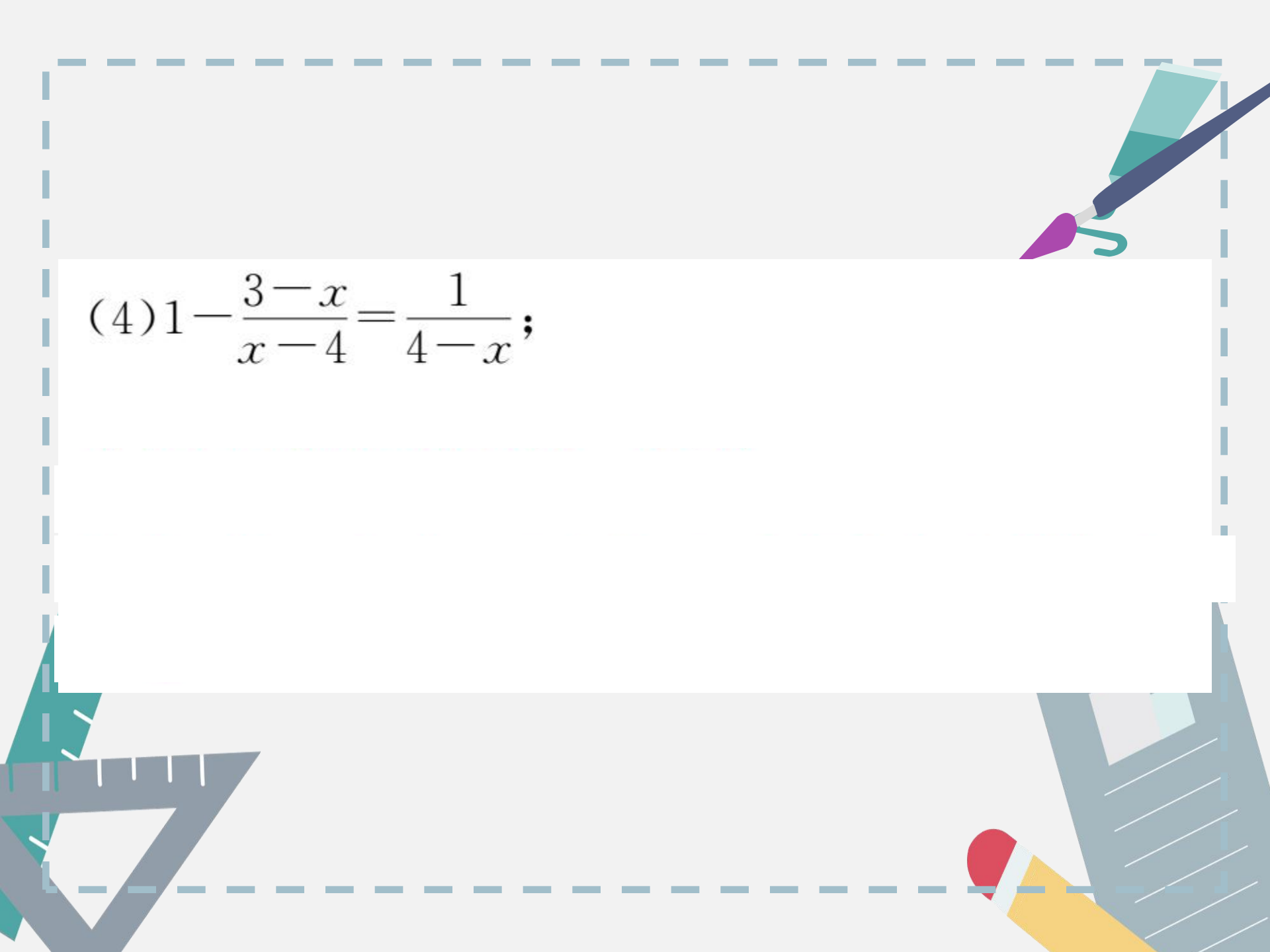


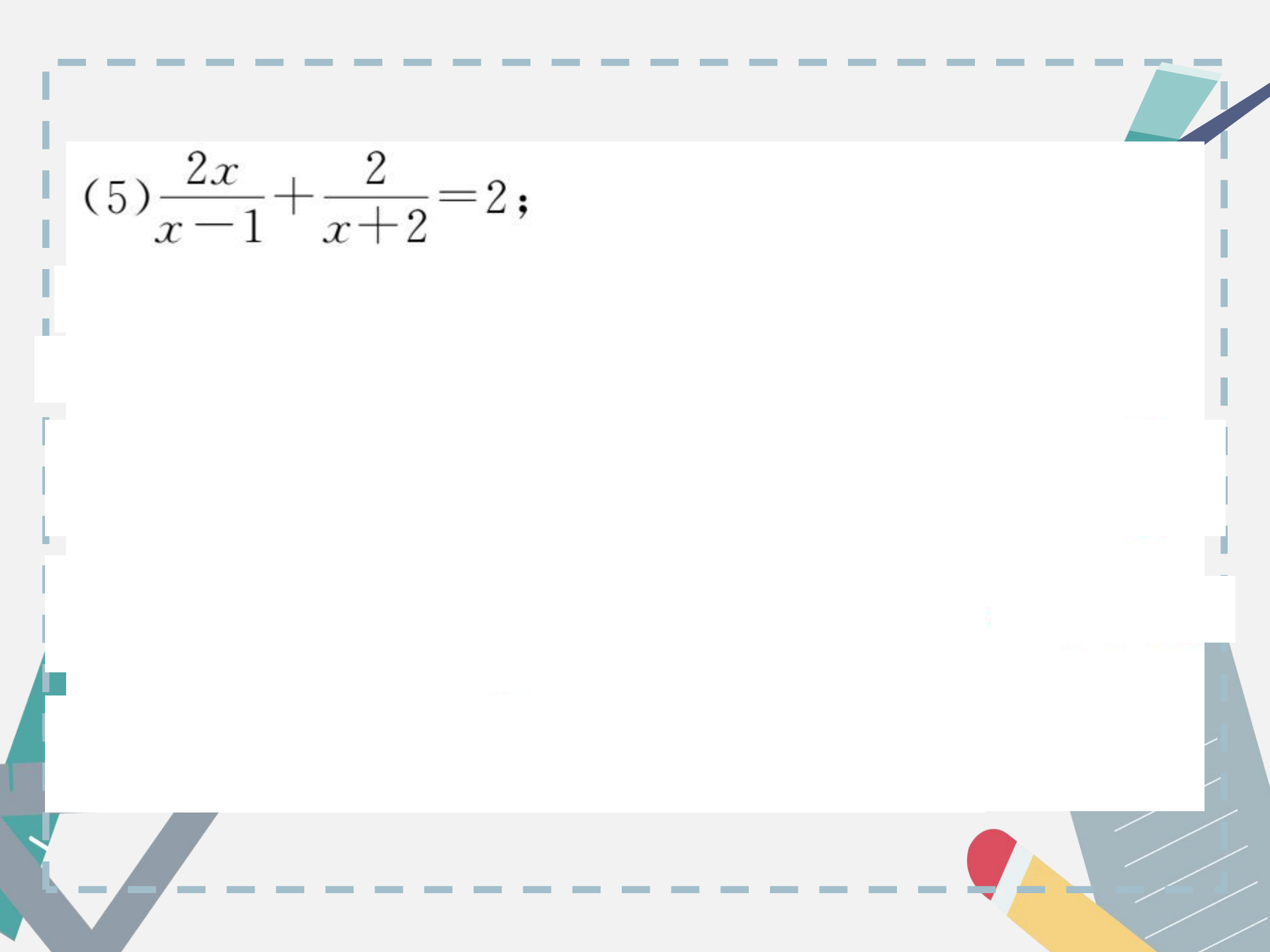
1. 解下列方程：

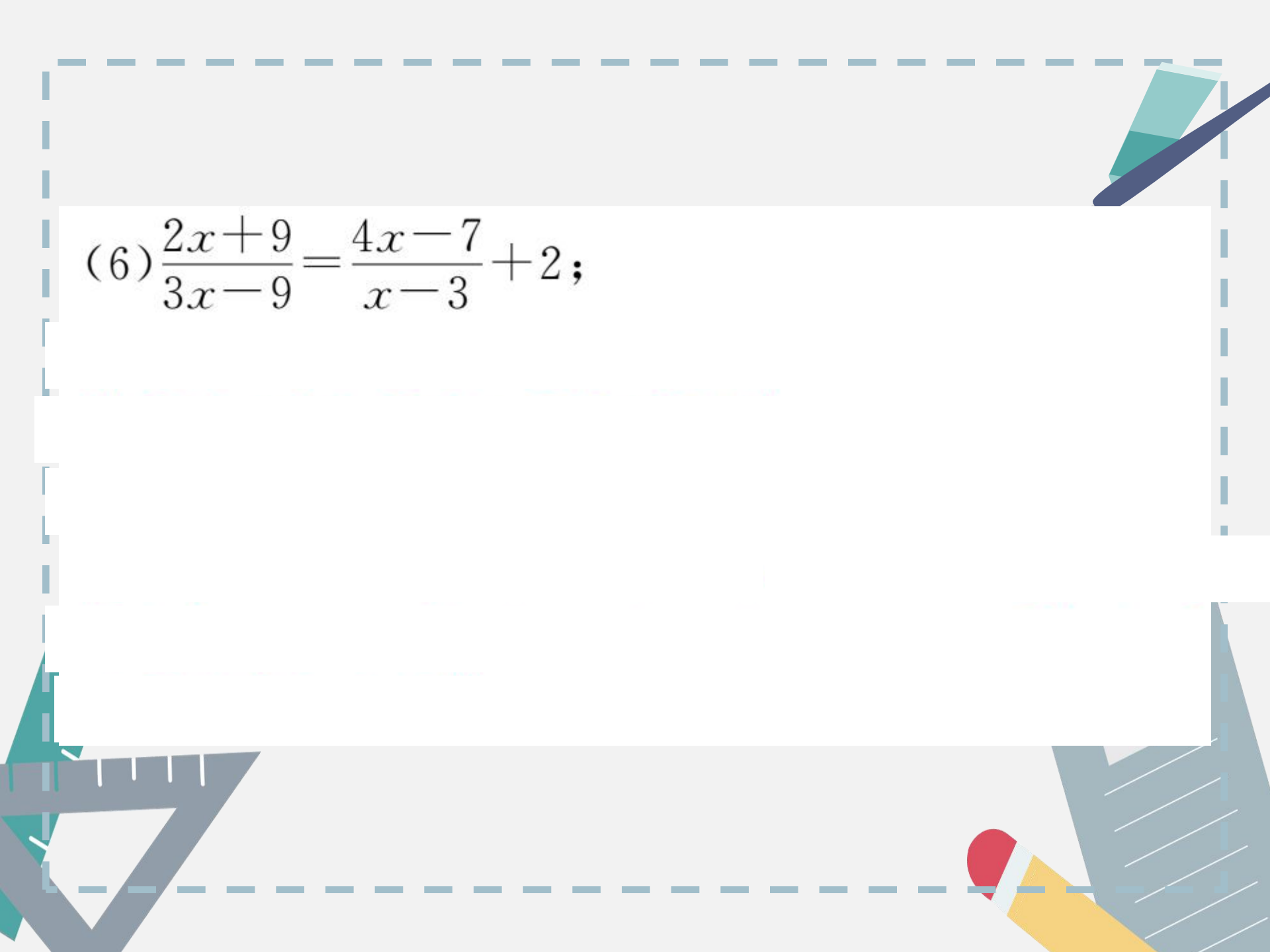
$$(1) \frac{2}{x+1} = \frac{1}{x-1};$$

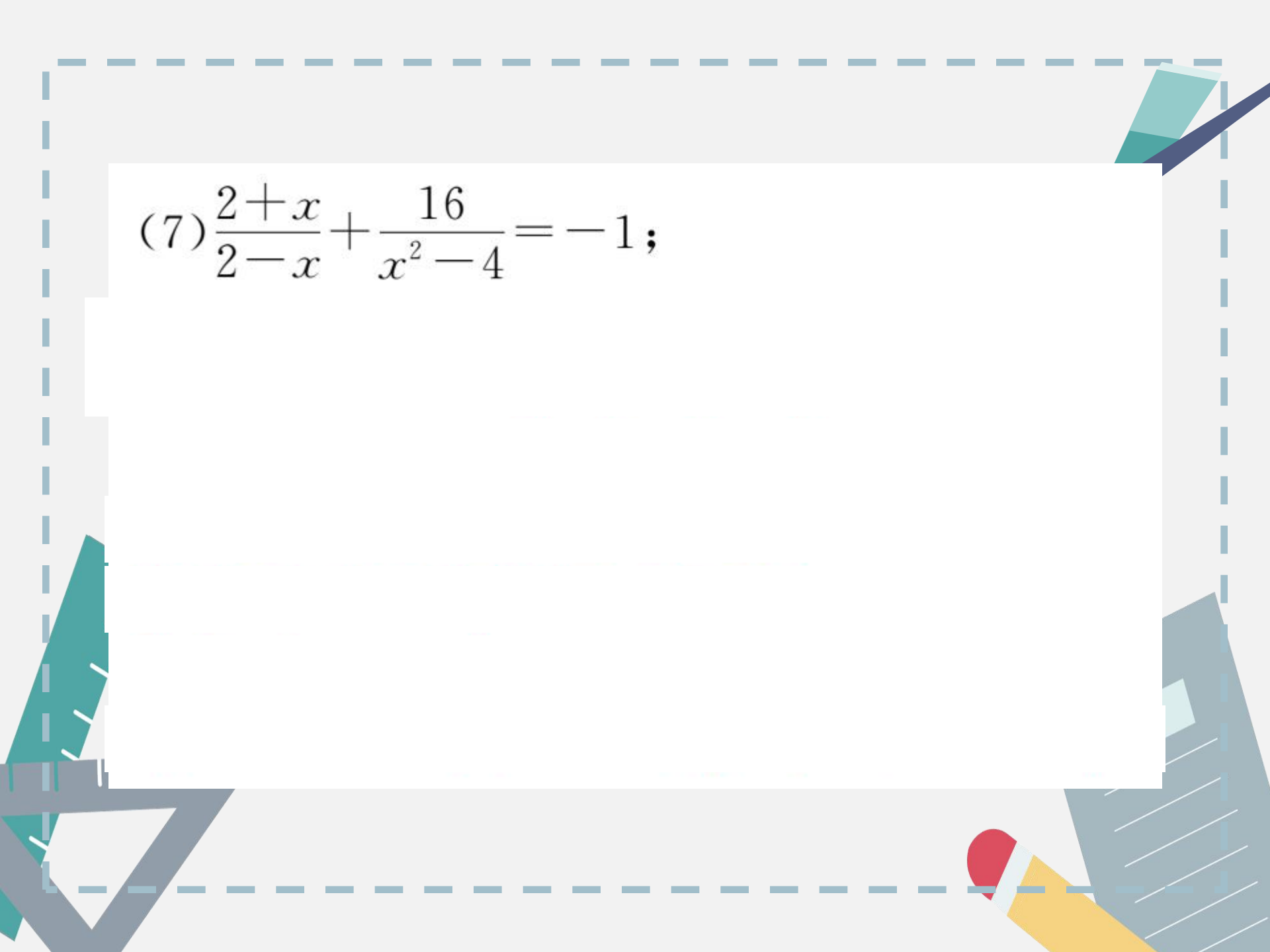

$$(2) \frac{x+1}{x-1} + \frac{4}{1-x^2} = 1;$$

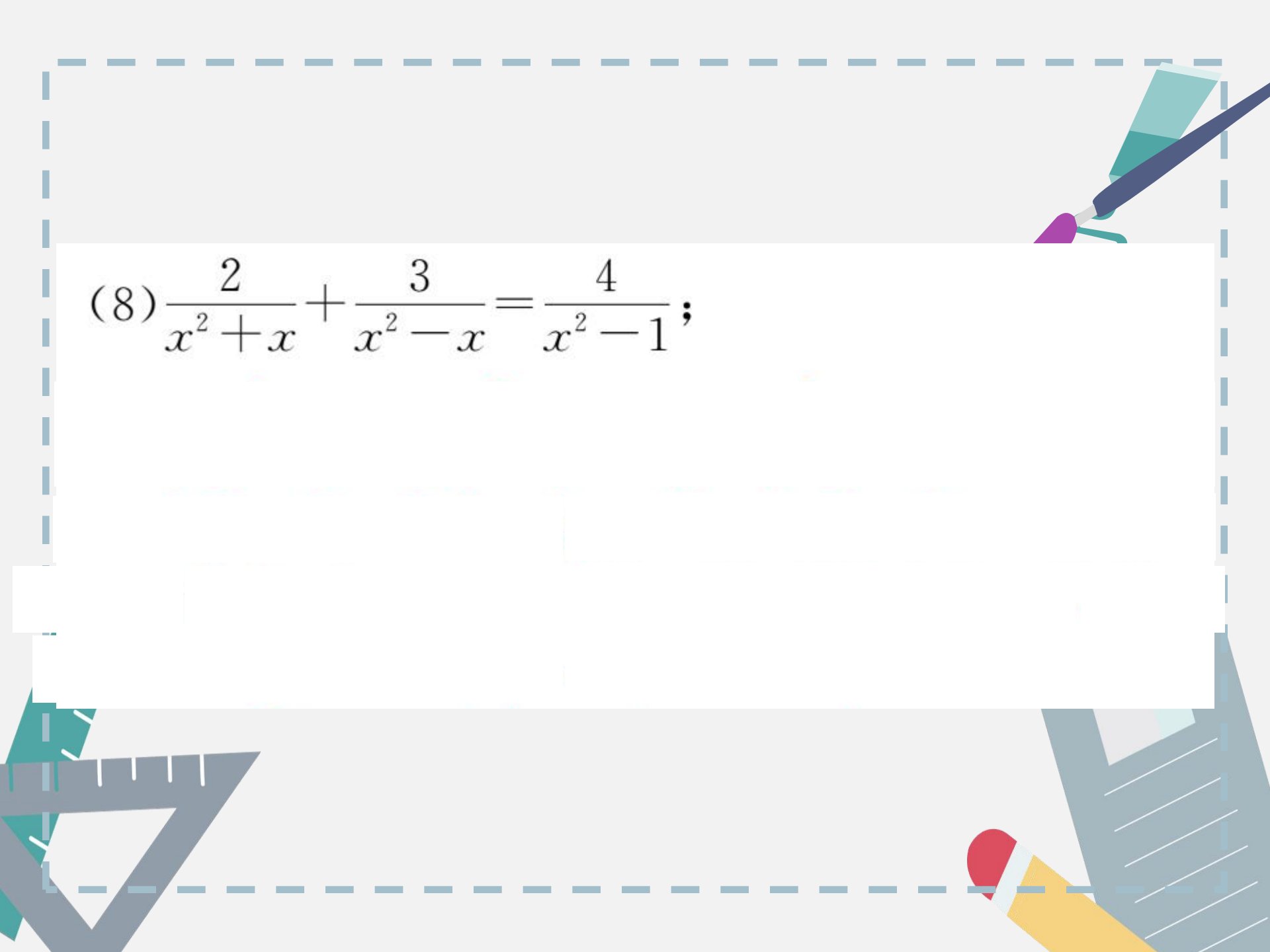

$$(3) \frac{2x}{x+1} = 1 - \frac{x}{3x+3};$$

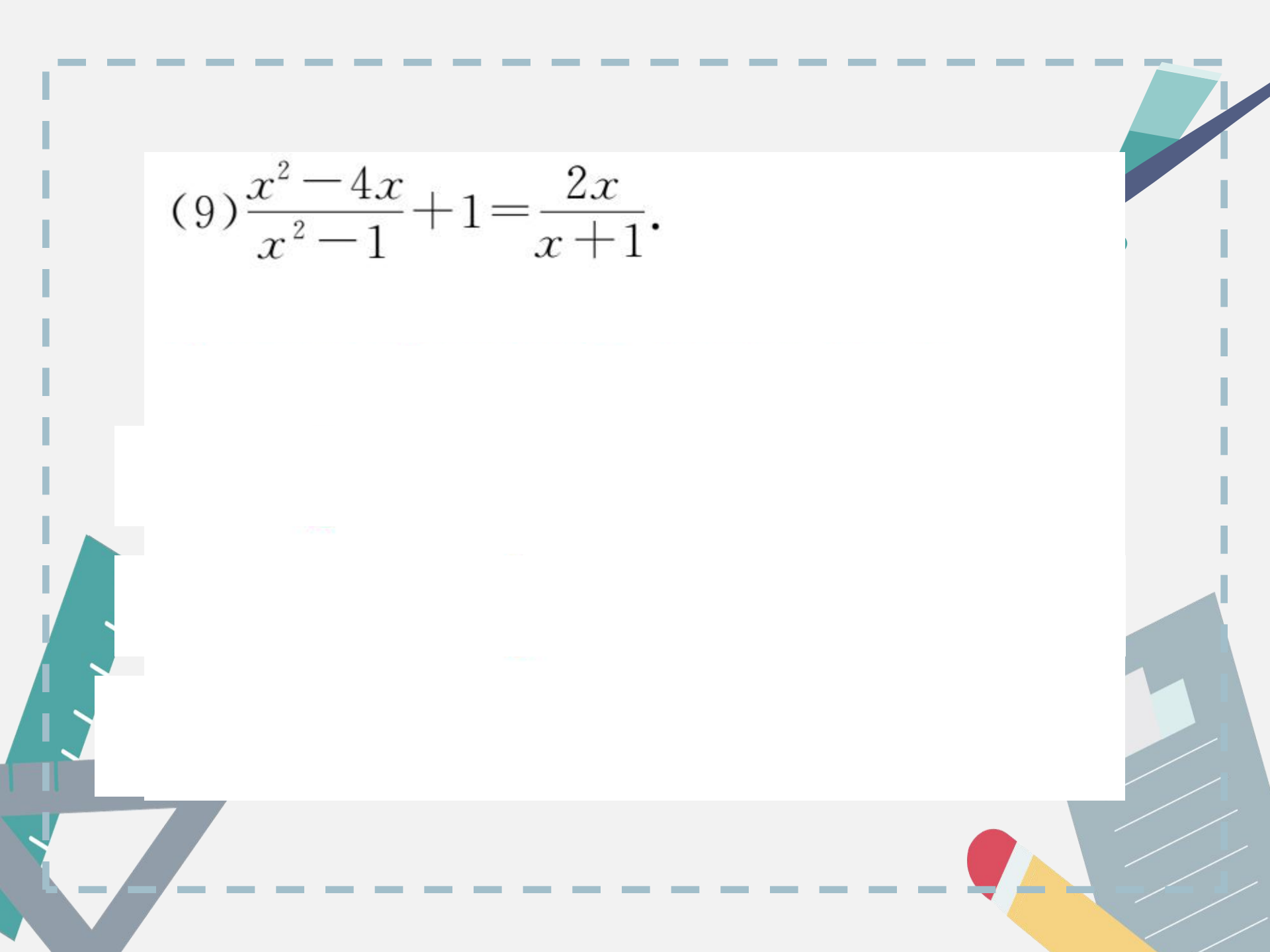

$$(4) 1 - \frac{3-x}{x-4} = \frac{1}{4-x};$$


$$(5) \frac{2x}{x-1} + \frac{2}{x+2} = 2;$$


$$(6) \frac{2x+9}{3x-9} = \frac{4x-7}{x-3} + 2;$$


$$(7) \frac{2+x}{2-x} + \frac{16}{x^2-4} = -1;$$


$$(8) \frac{2}{x^2 + x} + \frac{3}{x^2 - x} = \frac{4}{x^2 - 1};$$


$$(9) \frac{x^2 - 4x}{x^2 - 1} + 1 = \frac{2x}{x + 1}.$$

2. (教材 P₁₅₄ T₃ 变式)解方程求 x :

$$\frac{x-a}{x-1} - \frac{3}{x} = 1 (a \neq -2).$$