

基本功专项训练

(可以单独拆开使用)

基本功专项训练(一)

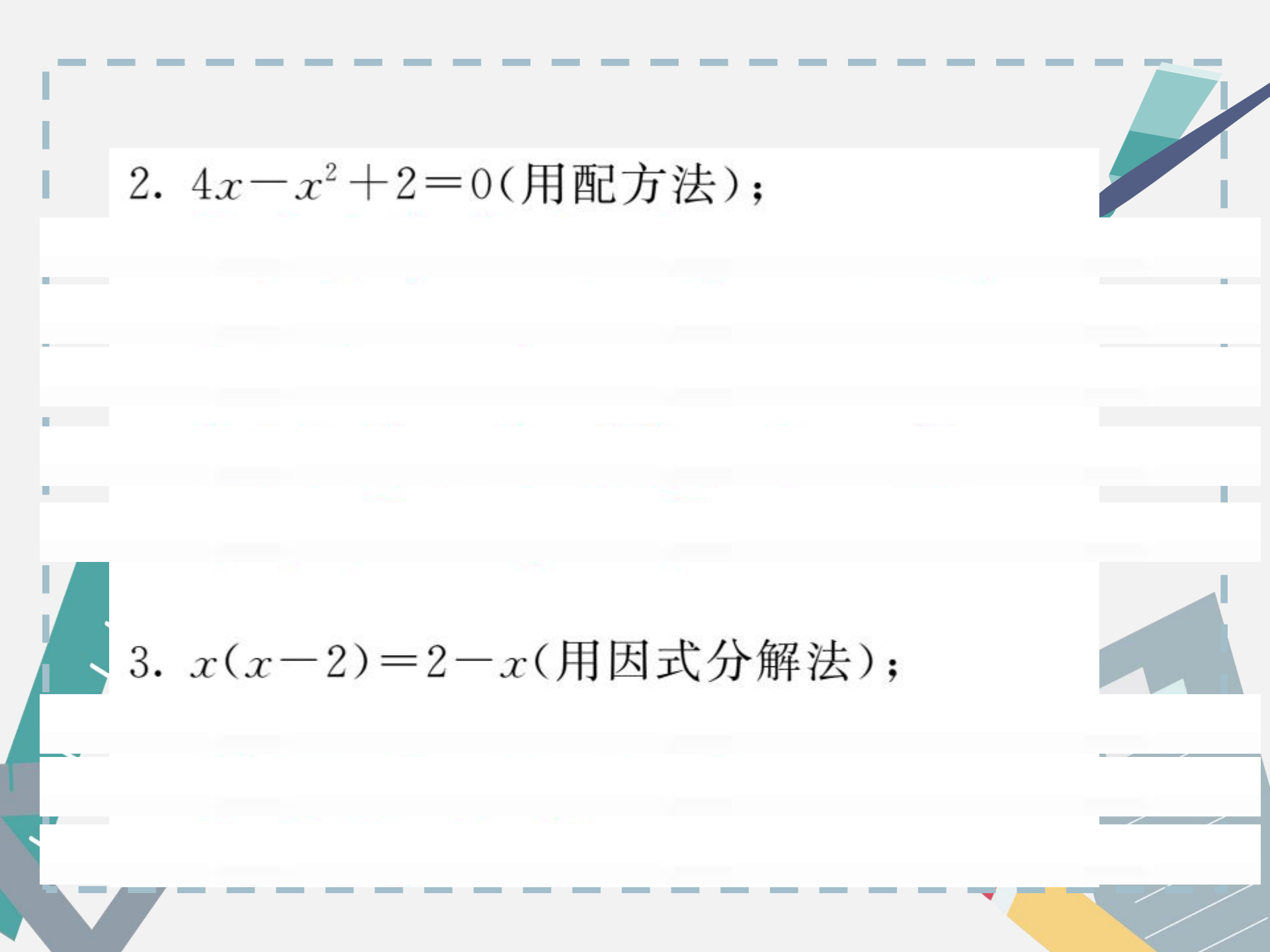
一元二次方程的解法



一、按要求解下列方程：

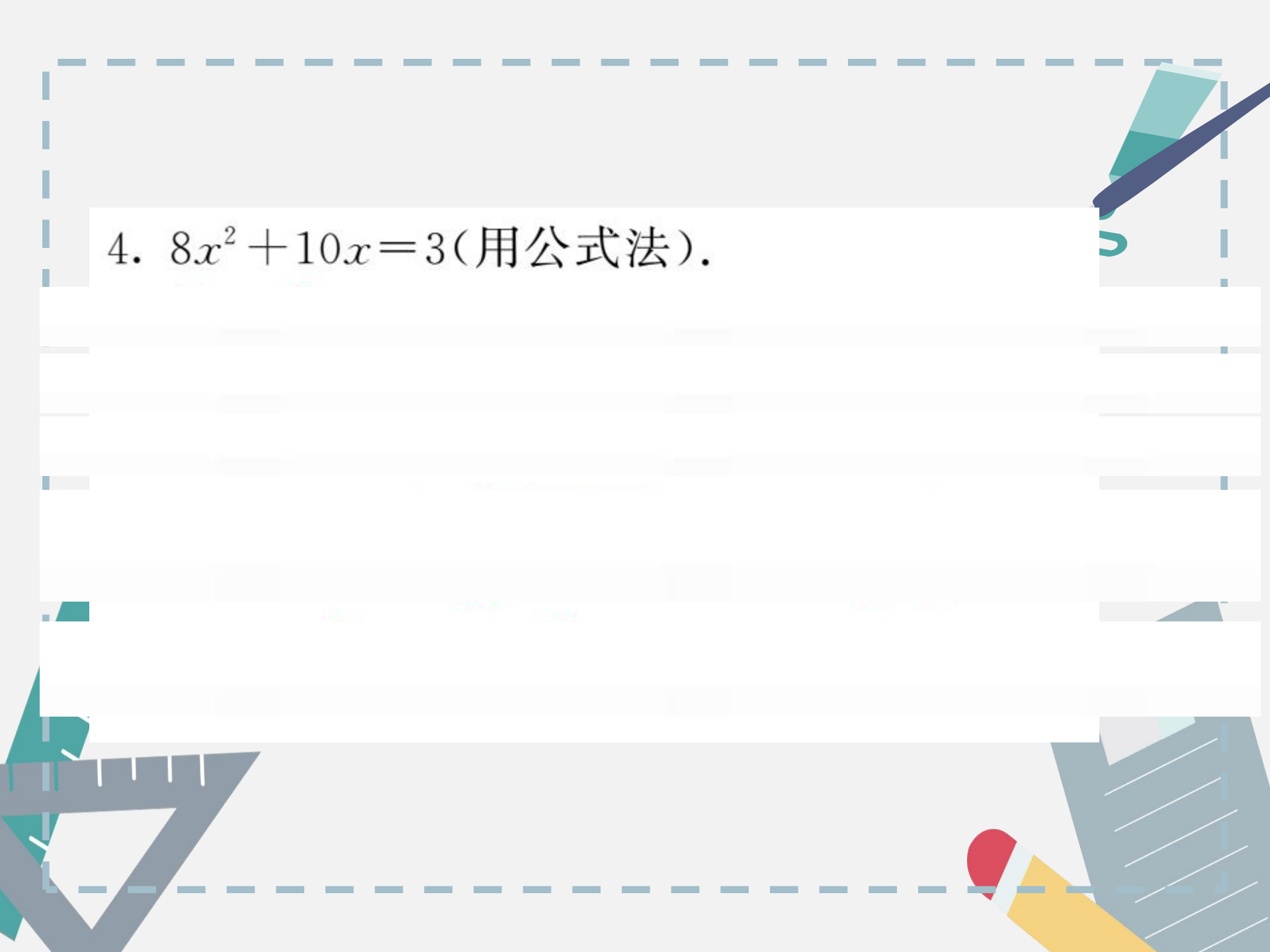
1. $4(x+1)^2 = \frac{1}{4}$ (用直接开平方法);



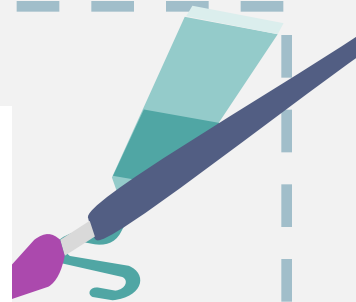


2. $4x - x^2 + 2 = 0$ (用配方法);

3. $x(x - 2) = 2 - x$ (用因式分解法);




4. $8x^2 + 10x = 3$ (用公式法).





二、运用适当的方法解下列方程：

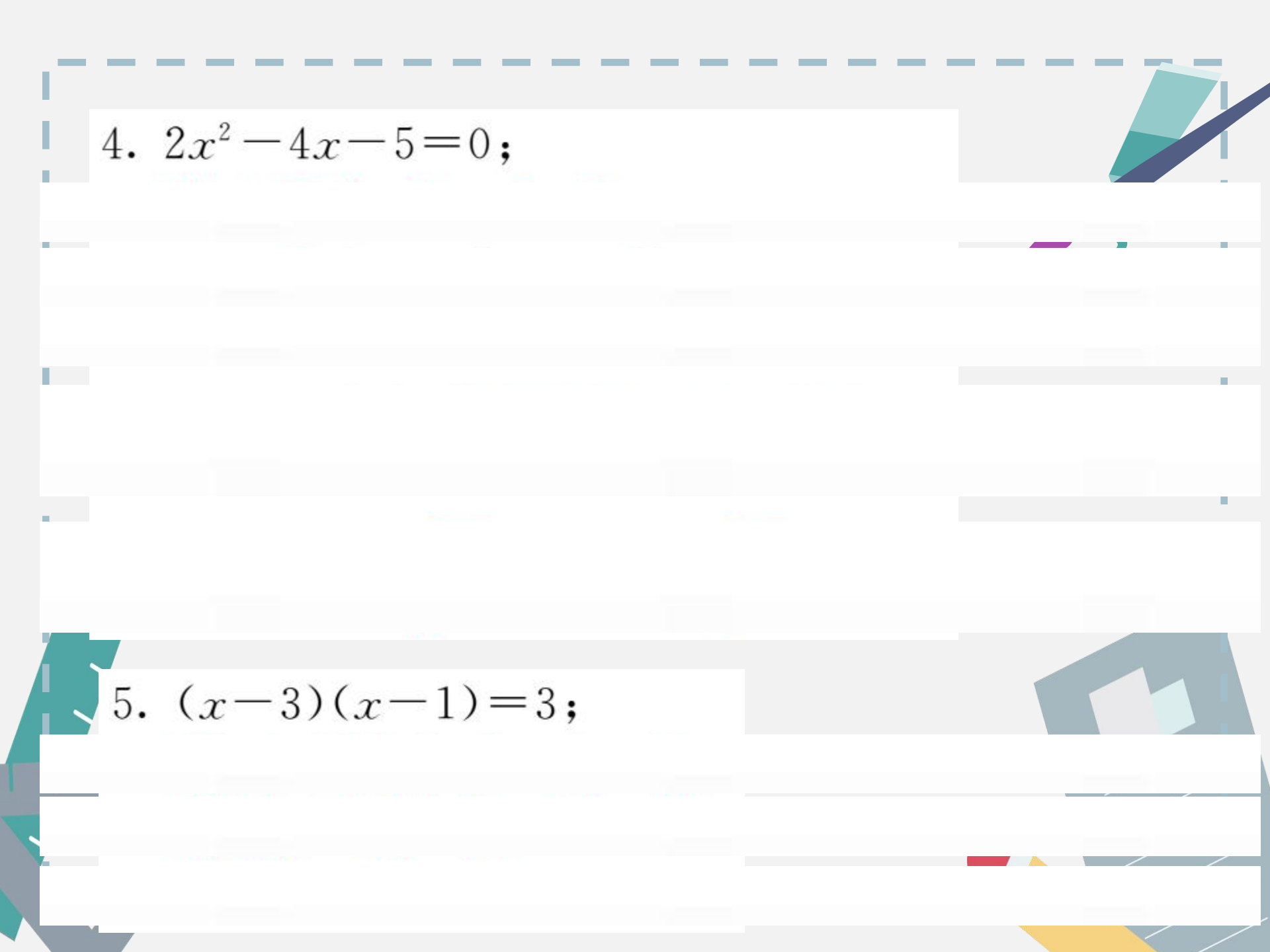
1. $\sqrt{3}x^2 - \sqrt{6}x = 0;$

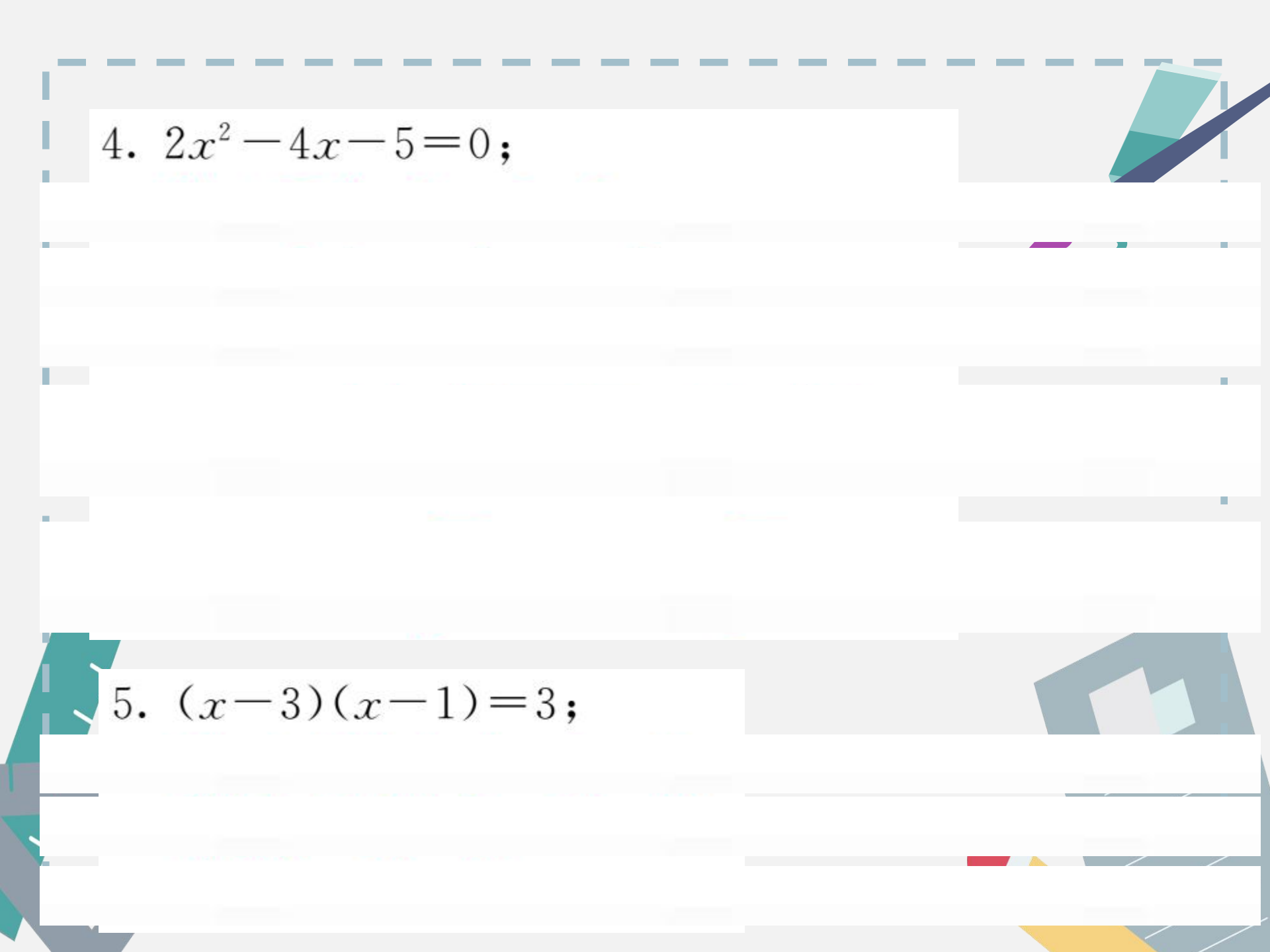
2. $x^2 - 2x = 99;$



3. $(x + 3)^2 = 2x + 6;$




$$4. 2x^2 - 4x - 5 = 0;$$


$$5. (x - 3)(x - 1) = 3;$$

$$6. 5(x-3)^2 = x^2 - 9;$$



$$7. 2y(y-1) + 3 = (y+1)^2.$$

