2-5 Algebraic Proofs

Solve for x using justifications 6x + 4 = 10(x - 2)

6x+4=10(x-2)6x + 4 = 10x - 20-6X -6X 4 = 4x - 20+20 +20 24 = 4X4 4 6 = Xx = 6

Given

Distributive Property

Subtraction Property

Addition Property

Dívísíon Property Symmetríc Property

Solve for x using justifications 3x+2 5-6xP Q R

Check the index of your texts to confirm this postulate

3x+2=5-6x Definition of Congruent Segments

9x+2=5 Addition Property

9x=3 Subtraction Property

$$x = \frac{1}{3}$$

Division Property