

## Solutions

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**2.1** Add 7 then divide by 5:  $x = (18 + 7) / 5 = 5$ .

**2.2** Divide by 2 then subtract 3:  $x = 9 - 3 = 6$ .

**2.3** Substitute the usage:  $20 + 3 \times 12 = 56$ .

**3.1** False. At  $x = 2$  the fraction is  $5/2$ , not 3. Splitting the numerator gives  $1 + 3/x$ ; cancellation applies to common factors, not terms in a sum.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.