

## EP 14 สมการตัวแปรเดียว

แนวที่ 1 ; 1 STEP

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แบบฝึกหัดที่ 1 จงหาค่าตัวแปรต่อไปนี้

1.  $A + 5 = 8$

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2.  $B + 1.5 = -2.3$

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3.  $\frac{4}{7} + C = \frac{1}{4}$

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4.  $D - 2.7 = -1.8$

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5.  $19 = E - 17$

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6.  $4F = 16$

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7.  $3G = 1$

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8.  $-4H = 7$

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9.  $-0.132 = 1.2I$

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10.  $13 = \frac{J}{2}$

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11.  $\frac{K}{3} = -\frac{8}{9}$

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12.  $-\frac{L}{1.5} = 3$

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## แนวที่ 2 ; 2 STEP

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### แบบฝึกหัดที่ 2 จงหาค่าตัวแปรต่อไปนี้

1.  $2M - 5 = 7$

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2.  $7 + 3N = -20$

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3.  $-17 = 12P - 3$

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4.  $-9 + 7Q = 1.5$

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5.  $-0.2R - 8 = 6$

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6.  $36 = \frac{S}{1.2} + 29$

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7.  $2(T - 4) = -10$

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8.  $27 = 9(U + 11)$

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9.  $1.3(7 + V) = -1$

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10.  $\frac{W-4}{-5} = -2.1$

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11.  $\frac{1.5+x}{2.2} = -1.3$

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12.  $2.7 = \frac{Y-3.4}{-0.5}$

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### แนวที่ 3 ; มากกว่า 2 STEP

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แบบฝึกหัดที่ 3 จงเรียงลำดับการแก้สมการต่อไปนี้ (โดยยังไม่ต้องคำนวณหา คำตอบของสมการ)

1.  $\frac{17 + 3Z}{21} - 8 = -9$

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2.  $41 = 4[8 - 3(2x + 5)]$

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3.  $\frac{1}{10} \left\{ \frac{1}{9} \left[ \frac{1}{5} \left( \frac{x+2}{3} + 8 \right) + 16 \right] + 8 \right\} = 1$

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4.  $3 \left( 7 \left( \frac{4x}{3} - 2 \right) - 48 \right) + 15 = 81$

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5.  $5(5 + 5(4 + 5(5 + x))) = 1000$

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6.  $1.1 = 1.2(1.3((1.5 - 1.6Y) - 1.4))$

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แบบฝึกหัดที่ 4 จงแก้สมการหาค่าของตัวแปรต่อไปนี้

1.  $\frac{1}{5} \left\{ \frac{1}{4} \left[ \frac{1}{3} \left( \frac{1}{2}x - 3 \right) - 2 \right] - 1 \right\} - 2 = 1$

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2.  $25 = 5 \left( 4 \left( \frac{3x+2}{2} \right) - 19 \right) - 20$

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3.  $0.1 \left( 0.2 \left( 0.3 \left( \frac{0.4x - 0.5}{0.6} \right) - 0.7 \right) + 0.8 \right) - 0.9 = 1$

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4.  $\frac{\frac{x-1}{2} + 3}{\frac{4}{6} + 7} - 5 = 1$

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$$5. \left( \frac{10}{9} \left( \frac{8}{7} \left( \frac{6y-5}{4} \right) - 3 \right) - 2 \right) - 1 = 0$$

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$$6. \frac{1}{10} \left\{ \frac{1}{9} \left[ \frac{1}{5} \left( \frac{x+2}{3} + 8 \right) + 16 \right] + 8 \right\} = 1$$

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$$7. 226 = 1 + 5[3 + 3\{5 + 9(9x - 8)\}]$$

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$$8. 3 \left( 7 \left( \frac{4x}{3} - 2 \right) - 48 \right) + 15 = 81$$

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$$9. \left( \left( \left( \left( \frac{3}{4} + x \right) - \frac{2}{3} \right) - \frac{1}{2} \right) - 1 \right) = 1$$

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$$10. 22.2 = (((x - 1.2) + 3.4) - 5.6) + 7.8$$

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