



1-4 Additional Practice

Literal Equations and Formulas

Rewrite each equation to solve for m .

1. $m + 3n = 7$

2. $3m - 9n = 24; n = -1, 1, 3$

3. $-5n = 4m + 8$

4. $2m = -6n - 5; n = 1, 2, 3$

5. $8n = -3m + 1$

6. $4n - 6m = -2; n = -2, 0, 2$

7. $-5n = 13 - 3m$

8. $10m + 6n = 12; n = -2, -1, 0$

Rewrite each equation to solve for x .

9. $fx - gx = h$

10. $qx + x = r$

11. $m = \frac{x+n}{p}$

12. $d = f + fx$

13. $-3(x+n) = x$

14. $\frac{x-4}{y+2} = 5$

Solve each problem. Round decimals to the nearest tenth.

15. What is the width of a rectangle with length 14 cm and area 161 cm²?

16. The weather report gives the temperature as 35 degrees Celsius. Find the equivalent temperature in degrees Fahrenheit. $C^\circ = (F^\circ - 32) \times \frac{5}{9}$

17. A rectangle has perimeter 182 in. and length 52 in. What is the width?

18. A triangle has base 7 m and area 17.5 m². What is the height?