

Solve the following problems based on what a program would output.

1. $3.0 + 5 = 8.0$

2. $6 - 2.5 = 3.5$

3. $6.2 * 3.0 = 18.6$

4. $6 / 4 = 1$

5. $9 / 3 = 3$

6. $7.0 / 5 = 1.4$

7. $16 / 3 = 5$

8. $11 / 2.0 = 5.5$

9. $6 \% 2 = 0$

10. $3 \% 5 = 3$

11. $12 \% 7 = 5$

12. $16 \% 3 = 1$

13. $[\text{Any number}] \% 1 = 0$

14. $3 + 5 * 2 = 13$

15. $2 * 9 / 3 + 4 = 10$

16. $9 - 6 * (4 + 3) = -33$

17. $(1.5 + 3) / 5 = 0.9$

18. $1 + 2 \% 3 = 3$

19. $5 - 6 \% 4 / 4.0 = 4.5$

20. $6.0 \% 2 + 3.5 / 7 = \text{invalid}$ (half-credit given if answer is 0.5)

Each problem is worth 1 point. Problem 20 is a trick question as it doesn't compile. 6.0 is considered a non-integer, and thus cannot do modulus division.