

Answers to Practice Questions for MTE 4 – First Degree Equations and Inequalities in One Variable

1. $x=11$

2. $x=8$

3. $x=7$

4. $x=37.83$

5. $y=-9$

6. $t=3$

7. $x = 4.75 = 4\frac{3}{4}$

8. The empty set

9. $A=S+D$

10. $t = \frac{D}{r}$

11. $w = \frac{P - 2l}{2}$

12. $t = -8, \text{ or } 14$

13. $x \leq 4.56$

14. $x \geq 8.5 \text{ or } x \geq \frac{17}{2}$

15. $[-\frac{40}{3}, \infty)$

16. $[-4, 5)$

17. $x \leq -5$

18. 423 miles

19. 9.2 hours

20. \$11.52

21. 400 upper seats

22. 5 hours