Math 9 Algebra and Equations Extra Practice

1. $5x = 7$

2. $11 = -3a$

3. $\frac{x}{3} = 9$

4. $4 = -\frac{b}{6}$

5. $\frac{4}{7} = \frac{\square}{8}$

6. $\frac{4}{\square} = \frac{3}{5}$

7. $4x(8 - 5) = 3$

8. $-4(1 - 5x) = 3$

9. $\frac{x}{6} = \frac{3}{7}$

10. $\frac{4}{9} = \frac{2}{x}$

11. $\frac{5}{x} = 7$

12. $-3 = \frac{2}{t}$

13. $1 - 2x = 3(x - 2)$

14. $-2(5x-3)=3-x$

15. $\frac{5}{x-3}=\frac{4}{7}$

16. $\frac{5x-3}{7}=\frac{-2}{5}$

17. $4-\frac{3}{2}=\frac{2}{4+3x}$

18. $4x+\frac{x}{5}-1=7$

19. $\frac{p}{3}+p-2=\frac{4}{7}$

20. $4-2x=1-\frac{3}{4}(x-3)$

21. $4x - 4 = \frac{4}{3}\left(\frac{3}{2}x - 1\right)$

22. See diagram below:

The front portion of the truck is $\frac{2}{9}$ of its total length. If the remainder of the truck is 5 m, what is the total length of the truck?