

Section 3.3 – Operations with Multiplication and Division

Problem Set 2

Solve the following equations.

1. $4x = 16$

2. $8x = 20$

3. $8x = -24$

4. $-9x = -108$

5. $-6x = 126$

6. $-3y = 9$

8. $7b = 20$

9. $4.1b = 18$

10. $4.5e = -3$

10. $\frac{x}{5} = 20$

11. $\frac{x}{-4} = -2$

12. $\frac{x}{18} = \frac{1}{9}$

13. $\frac{x}{18} = \frac{1}{36}$

14. $-\frac{3b}{7} = 81$

15. $-\frac{5x}{4} = 12$

16. $\frac{2}{3}x = 82$

17. $\frac{1}{5}x = 22$

18. $-\frac{2y}{3} = 28$

19. $-2x = \frac{1}{3}$

20. $5x = -\frac{2}{7}$

21. $-3x = -\frac{3}{7}$

Write an algebraic equation for the following statements and solve it.

26. seven times a number is twenty-one

27. seventy is ten times a number

28. three-fifths of a number is seventy-two

29. three times a number is one third