

Math 9

Chapter 8 – Study Sheet

1. Solve.

a) $7n = -28$

b) $10 = \frac{r}{-2}$

2. Solve.

a) $2x = 6$

b) $\frac{x}{-4} = -2$

3. Solve.

a) $64 = 8d$

b) $-44 = \frac{p}{-4}$

4. Solve.

a) $2x + 5 = 9$

b) $11 = 3x + 2$

5. Solve.

a) $3x - 2 = 7$

b) $-2x + 3 = -5$

6. Solve each equation

a) $23 = 5t + 3$

b) $-2f - 3 = 11$

7. Solve

a) $4(d - 3) = -8$

b) $-6 = -3(k - 4)$

8. Solve each equation..

a) $42 = 7(y + 4)$

b) $-4(c - 10) = 44$

9. Solve each equation..

a) $3x = \frac{3}{4}$

b) $\frac{c}{4} = \frac{-2}{3}$

10. Solve

a) $3x = \frac{2}{5}$

b) $\frac{m}{5} = \frac{-2}{3}$

c) $-4.5x = 1.35$

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(continued)**11.** Solve each equation.

a) $-4x = -4.96$

b) $\frac{x}{0.7} = 2.1$

c) $\frac{-5}{m} = \frac{1}{3}$

12. Solve each equation..

a) $2x + \frac{1}{4} = \frac{1}{2}$

b) $\frac{m}{2.5} + 1.5 = 0.8$

c) $4x - 7 = 29$

13. Solve each equation.

a) $2\frac{3}{4} = 3m + \frac{1}{2}$

b) $\frac{1}{2}x + \frac{1}{3} = \frac{7}{6}$

c) $\frac{n}{-0.6} + 0.23 = 1.93$

14. Solve.

a) $3(x - 5) = 18$

b) $0.2(x + 3) = 1.4$

c) $\frac{x+3}{5} = \frac{2}{3}$

15. Solve.

a) $2(x - 4) = 12$

b) $3(m + 0.5) = -2.1$

c) $1.2(x + 1.3) = 2.4$

16. Solve.

a) $0.4x = 5.58 - 0.2x$

b) $7.2 + 2.3x = 3.2x$

c) $\frac{x}{6} - \frac{9}{2} = \frac{2x}{3}$

17. Solve

a) $\frac{1}{2}x - 1 = \frac{1}{4}x + \frac{3}{4}$

b) $1.3m + 64.2 = 2.7m + 12.82$

18. Solve

a) $\frac{(m+1)}{2} = \frac{(m-2)}{5}$

b) $0.3(2x - 1) = 0.04(x + 5)$