

# Nontraditional Employment for Women

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## *Module #4: Independent and Dependent Variables*

### *Supplement B*

# IBEW Local 3 Entrance Exam Test Prep

*Compiled by Robert Lewis*



# Solve for the Unknown

*Isolate x, in terms of y*

1.  $y = 4x$

2.  $y = -5x$

3.  $y = 7x$

4.  $y = \frac{1}{2}x$

5.  $y = -x/8$

6.  $y = 12x$

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

8.  $y = -3x/10$

9.  $y = 5x/8$

10.  $y = 4x/9$

11.  $y = x - 6$

12.  $y = x + 6$

13.  $y = x - 9$

14.  $y = 6 - x$

15.  $y = -5 + x$

16.  $y = -x + 4$

17.  $y = -14 - x$

18.  $y = -15 + x$

19.  $y = -x + 16$

20.  $y = x - 18$

# Solve for the Unknown

*Isolate x, in terms of y*

1.  $y = 4x + 8$

11.  $y = 3x - 6$

2.  $y = -5x + 15$

12.  $y = 11x + 132$

3.  $y = 7x - 21$

13.  $y = 8x - 56$

4.  $y = \frac{1}{4}x + 7$

14.  $y = 12 - \frac{3}{4}x$

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

15.  $y = -7 + \frac{1}{2}x$

6.  $y = 12x - 48$

16.  $y = -\frac{3x}{4} + 18$

7.  $y = \frac{3}{4}x + 9$

17.  $y = -13 - \frac{1}{4}x$

8.  $y = 12 - \frac{3x}{8}$

18.  $y = -12 + \frac{4x}{5}$

9.  $y = \frac{7x}{12} - 21$

19.  $y = -\frac{4x}{5} + 24$

10.  $y = -\frac{5x}{8} + 25$

20.  $y = -16 - \frac{x}{7}$

# Solve for the Unknown

*Isolate x, in terms of y*

1.  $y = \frac{2}{x}$

2.  $y = \frac{-5}{x}$

3.  $y = \frac{1}{3x}$

4.  $y = \frac{3}{-4x}$

5.  $y = \frac{4}{9x} + 12$

6.  $y = \frac{-3}{7x} - 11$

7.  $y = -4 + \frac{5}{6x}$

8.  $y = 8 - \frac{6}{7x}$

9.  $y = -13 - \frac{3}{5x}$

10.  $y = 11 - \frac{4}{9x}$

11.  $y = \frac{1}{x + 4}$

12.  $y = \frac{-2}{x + 9}$

13.  $y = \frac{4}{x - 6}$

14.  $y = \frac{3}{5x + 5}$

15.  $y = \frac{7}{2x + 9}$

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

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

18.  $y = \frac{-2}{x + 5} - 3$

19.  $y = \frac{7}{3x - 2} + 5$

20.  $y = 5 + \frac{-3}{3x + 6}$