

Level I  
Name \_\_\_\_\_ Date \_\_\_\_\_

1.  $6x \geq -18$

2.  $\frac{x}{-9} \leq 7$

3.  $-20x > -10$

4.  $14 \geq 9 - 5x$

5.  $-3 - 4x \leq -18$

6.  $8x - 3 < 5$

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Level II

Name \_\_\_\_\_ Date \_\_\_\_\_

1.  $\frac{1}{2}x \geq 3$

2.  $\frac{1}{6}x \leq -5$

3.  $-\frac{1}{3}x > -7$

4.  $\frac{2x-4}{3} > 8$

5.  $2x \geq \frac{3x-5}{2}$

6.  $x \geq \frac{5x-7}{4}$

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Level III

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1.  $4(2x - 3) + 2x \leq 3x + 2$

2.  $-3x \leq 5(x - 7) - 2(3x - 4)$

3.  $-\frac{3}{4}x - 7 > 2$

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Level IV

Name \_\_\_\_\_ Date \_\_\_\_\_

1.  $d = rt$  solve for  $t$ .

2.  $3x - 4y = 12$  solve for  $y$ .

3.  $A = \pi r^2$  solve for  $\pi$ .

4.  $A = \frac{1}{2}bh$  solve for  $h$ .

5.  $V = \frac{1}{3}Bh$  solve for  $B$ .

6.  $A = \frac{h(b_1 + b_2)}{2}$  solve for  $h$ .

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Level V

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Find the largest of three consecutive negative integers such that three times the smallest is 8 less than the twice the middle integer.

2. There are 3 consecutive positive odd integers such that the product of 2 and the smallest is 1 more than the largest. Find the sum of the middle integer and -4.

3. The sum of 5 consecutive negative numbers is -75. What is the product of the middle integer and 2?

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