Grade 7 Week 25 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework: Monday, February 27, 2017**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺ NO WORK! NO CREDIT!***

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| The sum of 3 consecutive odd integers is 237. What is the smallest integer? | A 50 inch board is cut into two pieces. If one piece is 16 inches longer than the other, how long are both pieces? |
| Will three sides of any length create a triangle? Explain how you know which will work.   1. 13 cm, 5 cm, and 6 cm | Can a triangle have more than one obtuse angle? Explain your reasoning. |
| Mary wants to make several cans like the one below. She is going to cut them from a sheet of metal that has an area of 3,750 in2. How many can she make? Use 3.14 for π | According to the graph, how many miles could she walk in 6.5 hours? |

**Homework: Tuesday, February 28, 2017**

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| Find the area. | Find the composite area. |
| Six gallons of gas costs $11.70.  What is the cost per gallon?  How many gallons per dollar? | A company is deciding which box to use for their merchandise. The first box measures 8 inches by 6.25 inches by 10.5 inches. The second box measures 9 inches by 5.5 inches by 11.75 inches. Which box required more material to make? |
| The center of the circle is at (2, -3). What is the area of the circle? | Will three sides of any length create a triangle? Explain how you know which will work.   1. 3 cm, 3cm, and 3 cm |

**Homework: Wednesday, March 1, 2017**

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| Evaluate:  -8 – 12 = | Evaluate: |
| Find the composite area. | Find the area of the shaded region. |
| Will three sides of any length create a triangle? Explain how you know which will work.   1. 2 cm, 7 cm, 6 cm | What is the perimeter of the inside of the track?  The ends of the track are two semicircles, which would form one circle with a diameter of 62m.  Circumference of the circle: \_\_\_\_\_\_\_\_\_\_\_\_  Lengths of the rectangle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Perimeter of the Track:\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Homework: Thursday, March 2, 2017**

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| Evaluate: | Evaluate:  --5 – 9 +  (-5) + 2 |
| Triangle ***A****D***E** is proportional to Triangle ***A****B***C**. The length of is 20 ft.; the length of is 6ft. and the length of is 8 ft. What is the length of?  E  C  A  B  D  Hint: Set up a proportion. | If a circle is cut from a square piece of plywood, how much plywood would be left over? |
| Find the area of the shaded region. Use 3.14 for pi. | Find the area of the shaded region. |