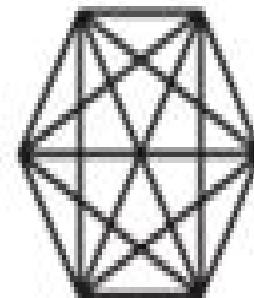




# Warm-Up 5

61. \_\_\_\_\_ What is the value of  $(2 \times 6^2 + 6^2) - 7 \times 6^2$ ?

62. \_\_\_\_\_ triangles The figure shown consists of a regular hexagon and all of its diagonals. How many triangles in the figure have at least two congruent sides?



63. \_\_\_\_\_ ways Fido has to climb five stairs. If he stops on at least three of the five stairs, but never climbs more than three stairs in one step, in how many possible ways can Fido climb the stairs?

64. \_\_\_\_\_ The quotient  $\frac{x^4(x^2)^3}{x^y}$  can be expressed as  $x^r$ . What is the integer value of  $y$ ?

65. \$ \_\_\_\_\_ A grocery store is required to charge customers an 8% sales tax on certain items. However, some purchases at the store, such as food products, are not subject to sales tax. During a certain month, the store sold \$400,000 worth of groceries, not including the sales tax. If the store also collected \$10,000 in sales tax that month, then what was the

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**Julia Link Roberts, Tracy Ford  
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