Lesson Check (CC.6.G.4)

1. Which could be the surface area of a cubic box that contains a baseball that has a diameter of 3 inches?
   - A. 9 square inches
   - B. 18 square inches
   - C. 27 square inches
   - D. 54 square inches

2. A piece of wood used for construction is 2 inches by 4 inches by 24 inches. What is the surface area of the wood?
   - A. 152 square inches
   - B. 192 square inches
   - C. 304 square inches
   - D. 384 square inches


3. Detergent costs $4 per box. Kendra graphs the equation that gives the cost y of buying x boxes of detergent. Which ordered pair is on Kendra's graph? (Lesson 9.4)
   - A. (12, 3)
   - B. (2, 6)
   - C. (4, 1)
   - D. (5, 20)

4. A trapezoid with bases that measure 8 inches and 11 inches has a height of 3 inches. What is the area of the trapezoid? (Lesson 10.5)
   - A. 9.5 square inches
   - B. 28.5 square inches
   - C. 44 square inches
   - D. 57 square inches

5. City Park is a right triangle with a base of 40 yd and a height of 25 yd. On a map, the park has a base of 40 in. and a height of 25 in. How do the areas of the park and the map of the park compare? (Lesson 10.8)
   - A. Area of park = 6 × Area on map
   - B. Area of park = 18 × Area on map
   - C. Area of park = 36 × Area on map
   - D. Area of park = 1,296 × Area on map

6. What is the surface area of the prism shown by the net? (Lesson 11.2)
   - A. 12 square units
   - B. 36 square units
   - C. 72 square units
   - D. 80 square units

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