Lesson Check (CC.6.G.4)

1. Gabriela drew a net of a rectangular prism on centimeter grid paper. If the prism is 7 cm long by 10 cm wide by 8 cm high, how many grid squares does the net cover?
   - A 206 squares
   - B 412 squares
   - C 560 squares
   - D 600 squares

2. Ben bought a cell phone that came in a box shaped like a rectangular prism. The box is 5 inches long by 3 inches wide by 2 inches high. What is the surface area of the box?
   - A 30 in.²
   - B 31 in.²
   - C 62 in.²
   - D 80 in.²


3. Katrin wrote the inequality \( x < -533 \). Which of the following is NOT a solution of the inequality? (Lesson 8.8)
   - A \( x = 531 \)
   - B \( x = 529 \)
   - C \( x = 535 \)
   - D \( x = 527 \)

4. The table shows the number of mixed CDs \( y \) that Jason makes in \( x \) hours.

   | Hours, \( x \) | 2 | 3 | 5 | 10 |
   | CDs, \( y \)  | 10| 15| 25| 50 |

Which equation describes the pattern in the table? (Lesson 9.3)
   - A \( y = x + 8 \)
   - B \( y = 5x \)
   - C \( y = \frac{x}{5} \)
   - D \( y = x - 40 \)

5. A square measuring 9 inches by 9 inches is cut from a corner of a square measuring 15 inches by 15 inches. What is the area of the L-shaped figure that is formed? (Lesson 10.7)
   - A 36 square inches
   - B 42 square inches
   - C 60 square inches
   - D 144 square inches

6. Boxes of Clancy's Energy Bars are rectangular prisms. How many lateral faces does each box have? (Lesson 11.1)
   - A 1
   - B 2
   - C 4
   - D 6

lateral faces don't include bases

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