Surface Area

Solve problems 1–6.

1. Tina’s jewelry box is in the shape of a rectangular prism. What is the surface area of Tina’s jewelry box? **HINT:** A rectangular prism has 6 faces.

2. Grace’s pencil box has a height of 4 in., a length of 11 in., and a width of 6 in. What is the surface area of the pencil box?

3. The puzzle that Jerry got for his birthday was in a box with a length of 15 in., a width of 8 in., and a height of 3 in. What is the surface area of the box?

4. Jerry received another present that was 15 in. long, 7.5 in. wide, and 6 in. high. Is the surface area of this box greater than or less than the surface area of the box in Problem 3?

5. David stacked two boxes together as shown below. Each box measured 10 in. long, 5 in. high, and 3 in. wide. What is the exposed surface area of both boxes?

6. Compare the surface area of Box A and Box B using >, <, or =.