Geometry Sem 2 Week 13 Monday Warm-up

1. Find the area of an equilateral triangle with a radius of 8 m.
(Leave answer in radical form or round final answer to nearest tenth.)

2. Find the perimeter of a square with an apothem of 12 inches.

3. Find the area of a regular hexagon with a side of 20 meters.
(Leave answer in radical form or round final answer to nearest tenth.)

1. Point A(2,-3) is translated by the rule T_{<3,-7>}.
Find the coordinates of the image A'.

2. Name the coordinates of a point reflected across the y-axis from (2, -1).
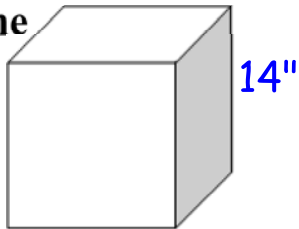
Graph points A(2, 1) and B(-1,-3). Find the coordinates of the image
of the transformation r(90°, O).
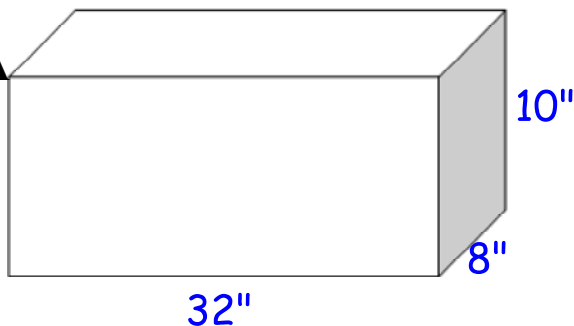**3. A'   4. B'**

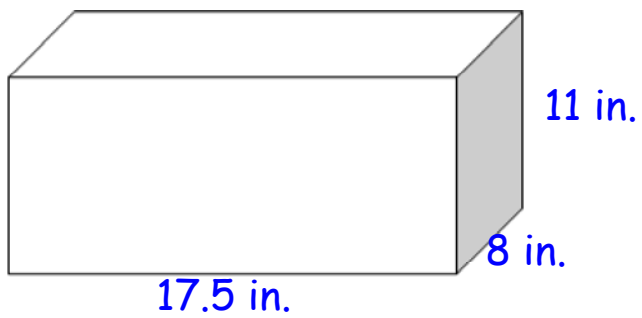**Find the volume and surface area of the cube.**
5. Volume
6. SA   14"

Find the volume and surface area of the rectangular prism.
7. V
8. SA

10"

8"

32"

1. Find the volume and surface area of this box.

11 in.

8 in.

17.5 in.

2. Find the volume and surface area of this cylinder. Round answers to nearest tenth.

18 cm

14 cm