Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**2.6A HW**

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|  |

The two figures are similar. Find the ratios (shaded to nonshaded of the perimeters and of the areas).



The polygons are similar. Find x.



**5.** You buy two picture frames that are similar. The ratio of the corresponding side lengths is 4:5. What is the ratio of the areas?

**6.** Find the ratio (small to big rectangle) of the perimeters of the similar rectangles.



8

2

**7.** The height of Figure A is 8 feet. The height of a similar Figure B is 12 feet. What is the ratio of the perimeter of A to the perimeter of B?

**8.** Find the ratio (small triangle to big triangle) of the areas of the similar triangles.



28

12

**9.** The base of Triangle P is 5 meters. The base of a similar Triangle Q is 10 meters. What is the ratio of the area of P to the area of Q?