Name:

Section 2.7: Perimeters & Areas of Similar Figures In Class Notes



Ex:) Find the value of the ratio (red to blue) of the perimeters of the similar rectangles.



OYO:) The height of Figure A is 9 feet. The height of a similar Figure B is 15 feet. What is the value of the ratio of the perimeter of A to the perimeter of B?

Notes:

Notes:





OYO:) The base of Triangle P is 8 meters. The base of a similar Triangle Q is Notes: 7 meters. What is the value of the ratio of the area of P to the area of Q?

Ex:) A swimming pool is similar in shape to a volleyball court. Find the perimeter P and the area A of the pool. Notes:





Area = 200 yd² Perimeter = 60 yd

Ex:) Two similar triangular regions are prepared for development.



b. The cost to prepare 1 square yard of grassland is \$15 and the cost to prepare 1 square yard of forest is \$25. Which region costs more to prepare? Justify your answer.

Notes:

OYO:) You buy a new television with a screen similar in shape to your old television screen, but with an area four times greater. The size of a television screen is often described using the distance between opposite corners of the screen. Your old television has a 30-inch screen. What is the size of your new television screen? Explain.