

Find the surface area of a pentagonal prism by finding the area of a 2D net, Practice Set A Name:

Date:

1. Draw a net for each pentagonal prism. Then, calculate the surface area.





2. Troy is painting a birdhouse for his backyard. Determine how much brown paint he will need to paint the entire birdhouse if the circle has an area of 18 in^2 and the rectangle has an area of 52.5 in^2 .





Find the surface area of a pentagonal prism by finding the area of a 2D net, Practice Set A Answer Key

1. Draw a net for each pentagonal prism. Then, calculate the surface



*2,401.875 in*²

2. Troy is painting a birdhouse for his backyard. Determine how much brown paint he will need to paint the entire birdhouse if the

circle has an area of 18 in² and the white rectangle has an area of 52.5 in². Troy will need 1,841.5 in² of paint. *Area of rectangle = (18.5 in)(13 in)= 240.5* in^2





Area of triangle = ½bh = ½(10.5 in)(13 in) = 68.25 in² Surface area = 5(240.5 in²) + 10(68.25 in²) - 18 in² - 52.5 in² = 1,841.5 in²