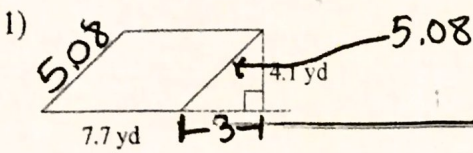
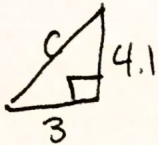


G1: Test Review - B Level

Find the area and perimeter of each shape. Round to two decimals, if necessary.

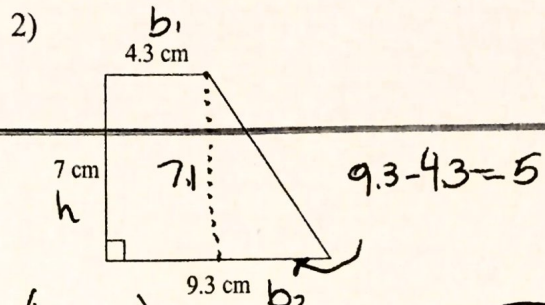


Area = bh
 $= 7.7(4) = 30.8 \text{ yd}^2$

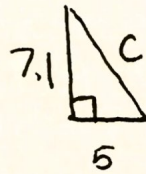


$3^2 + 4.1^2 = c^2$
 $9 + 16.81 = c^2$
 $\sqrt{25.81} = c$
 $5.08 = c$

Perimeter = $5.08 + 5.08 + 7.7 + 7.7$
 $= 25.56 \text{ yd}$



Area = $\frac{(b_1 + b_2)h}{2} = \frac{(4.3 + 9.3)7}{2} = 47.6 \text{ cm}^2$

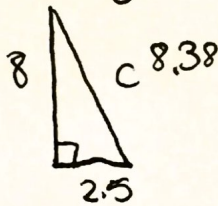
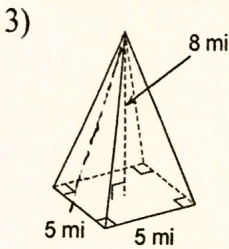


$5^2 + 7.1^2 = c^2$
 $25 + 50.41 = c^2$
 $\sqrt{75.41} = c$
 $c = 8.68$

Perimeter = $7 + 9.3 + 8.68 + 4.3$
 $= 29.28 \text{ cm}$

Find the surface area of the solid. Round to two decimals, if necessary.

* need to find slant height



$2.5^2 + 8^2 = c^2$
 $6.25 + 64 = c^2$
 $\sqrt{70.25} = c$
 $8.38 = c$

Surface Area

$5 \times 5 = 25 \text{ mi}^2$

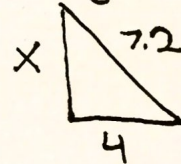
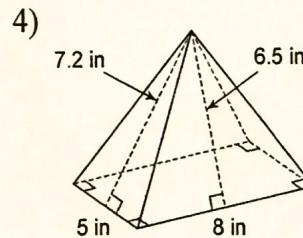


$A = \frac{5(8.38)}{2}$
 $= 20.95 \text{ mi}^2$

SA = $25 + 4(20.95)$
 $= 25 + 83.8 = 108.8 \text{ mi}^2$

Find the volume of the solid. Round to two decimals, if necessary.

* need to find height of pyramid



$6.5^2 = x^2 + 2.5^2$
 $x^2 + 6.25 = 42.25$
 $-6.25 \quad -6.25$
 $\sqrt{x^2} = \sqrt{36}$
 $x = 6$

or $x^2 + 4^2 = 7.2^2$
 $x^2 + 16 = 51.84$
 $-16 \quad -16$
 $\sqrt{x^2} = \sqrt{35.84}$

$x = 5.99$
 rounded to 6

Pyramid's height = 6

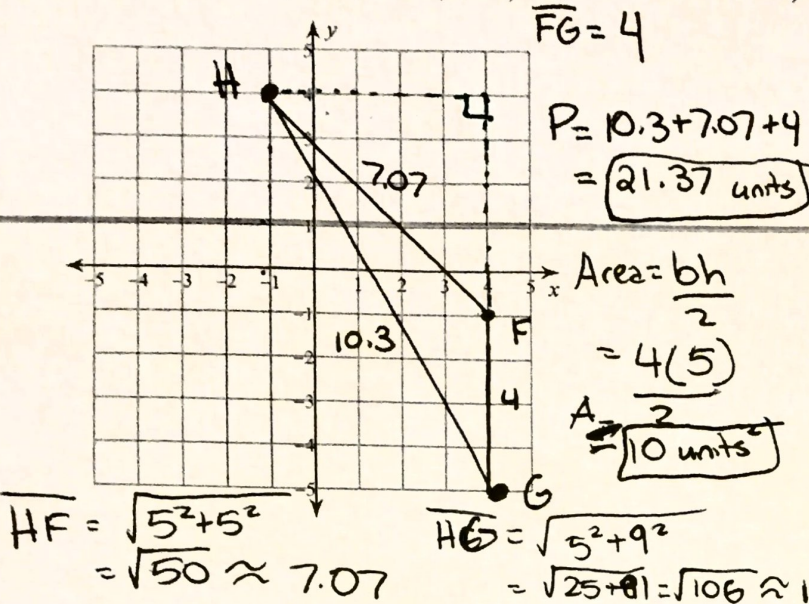
Volume = $\frac{(\text{area of base})(\text{height})}{3}$

$= \frac{(5 \cdot 8)(6)}{3} = \frac{40 \cdot 6}{3} = \frac{240}{3}$

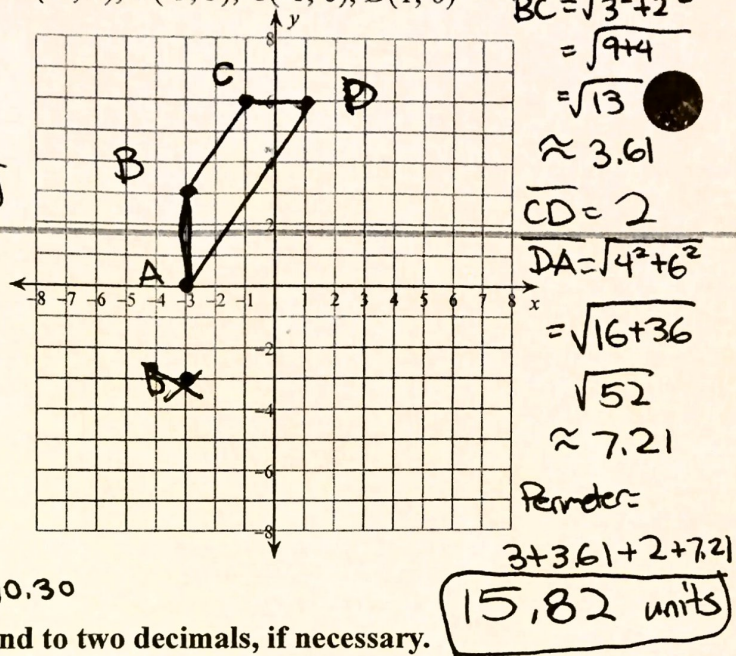
$= 80 \text{ in}^3$

Plot each point then connect to make a shape. Find the area and perimeter of the shape.

5) $H(-1, 4)$ $G(4, -5)$ $F(4, -1)$

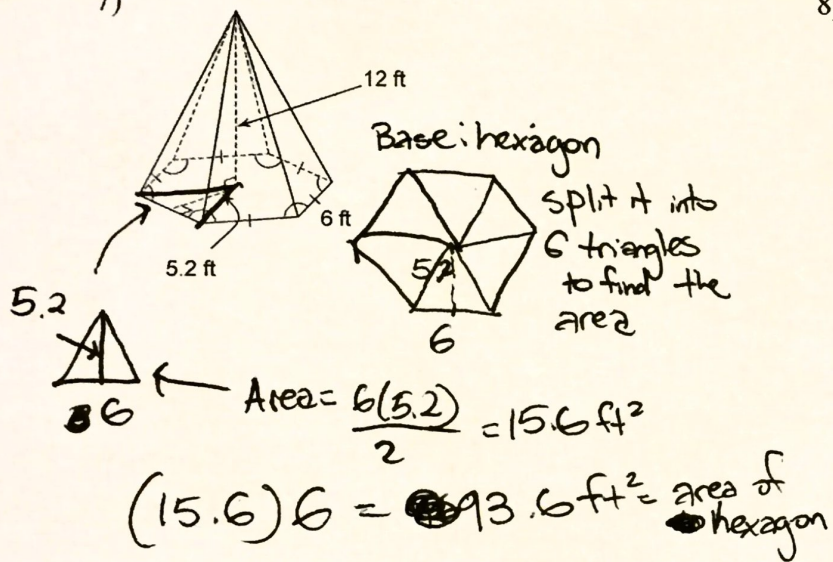


6) $A(-3, 0)$, $B(-3, 3)$, $C(-1, 6)$, $D(1, 6)$



Find the surface area and volume of each figure. Round to two decimals, if necessary.

7)



8)

