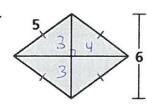
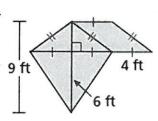
## 11.5 Practice Problems

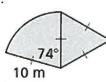


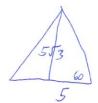


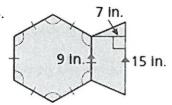


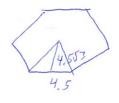


3.

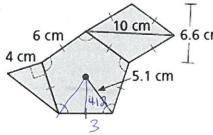








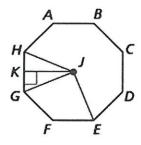
5.



$$7 = \frac{1}{2}4(6) + \frac{1}{2}6(4.12)(5) + \frac{1}{2}10(66)$$
> 6.6 cm

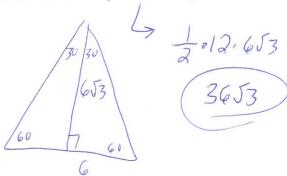
106.8 42

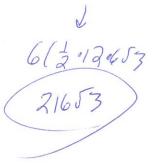
## 6. Given the octagon below, find:



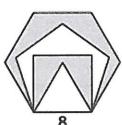


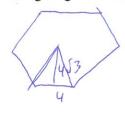
7. Find the area of an equilateral triangle with side length 12. Then find the area of a regular hexagon with side length 12.

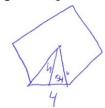




8. Find the area of the shaded region given each polygon is regular in the figure below.



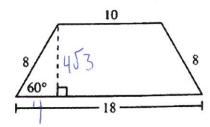




$$6(\frac{1}{2},8,453) - 5(\frac{1}{2},8,5.5) + 8^3 - \frac{1}{2}(8)(453) = 92.6$$

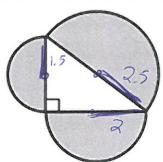


9. Find the area of the trapezoid.





10. The right triangle below has legs with lengths 3 and 4. Find the area of the shaded region.



$$\pi 1.5^{2} + \pi 2^{2} + \pi 2.5^{2}$$
 $2.25\pi + 4\pi + 6.25\pi$ 

$$12.5\pi u^{2}$$