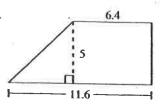
Areas of Trapezoids

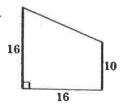
For use after Section 11-3

Find the area of each trapezoid.

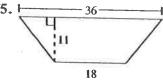
1.



3.

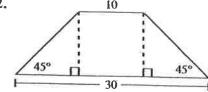






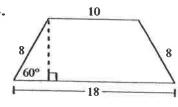
$$A = 297$$

2.

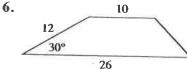


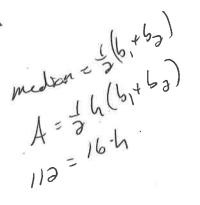
$$A = 200$$

4.



$$A = 56\sqrt{3} :$$





- 7. A trapezoid has area 112 and median 16. What is its height?
- 8. A trapezoid has area 72 and height 9. How long is its median?
- 9. An isosceles trapezoid has base angles of 45° and bases of lengths 12 and 32. Find its area. 220
- 10. Find the height and perimeter of an isosceles trapezoid with bases 36 and 60 and area 768. h = 16, p = 136
- 11. Find the area and the length of the median of an isosceles trapezoid with legs 10 and bases 14 and 26. A = 160length of median = $\frac{20}{}$
- 12. Find the height of a trapezoid with bases 9 and 6 and area 120.
- 13. The area of a trapezoid is 144 km². The shorter base is 15 km and the height is 6 km. Find the longer base. 33km
- 14. Find the area of the flower garden shown. 128 ff

