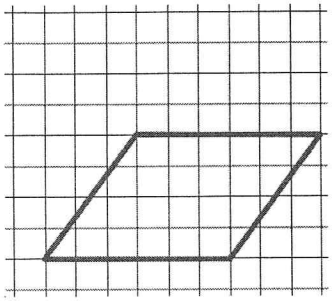
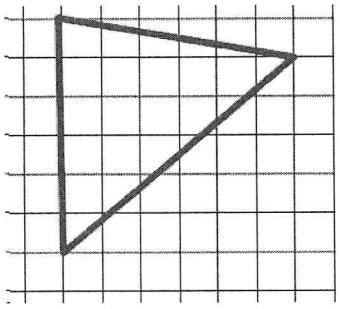
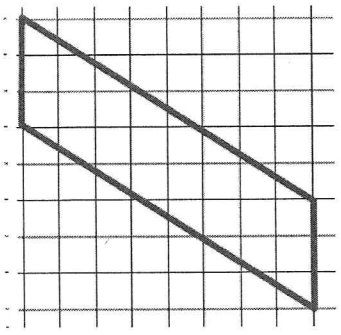
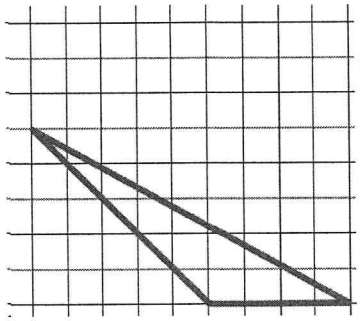
Geometry Review Sections 10-, 10-2, 10-3, 10-5 Spring 2014

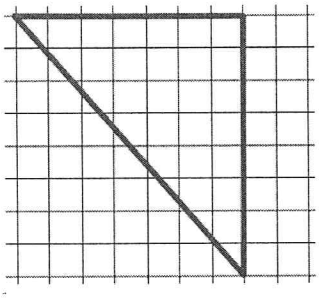
Find the area of each figure. Round to the nearest hundredth when needed unless noted otherwise.

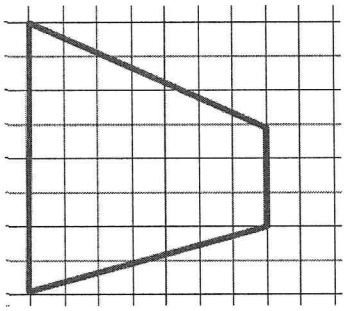
1. 

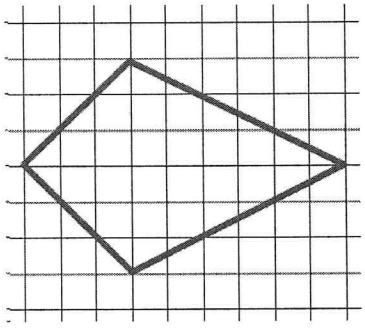
2. 

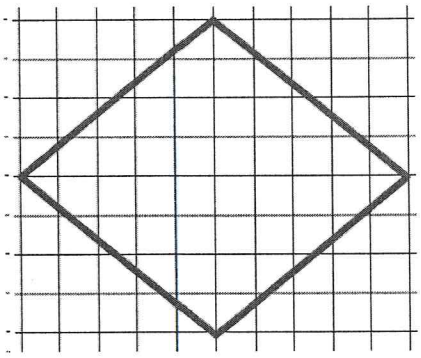
3 

4. 

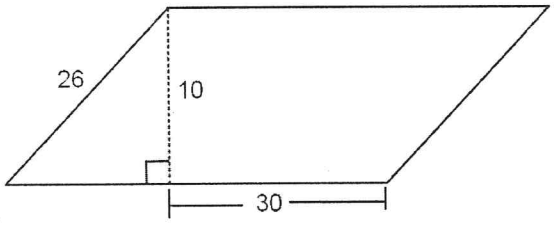
5. 

6. 

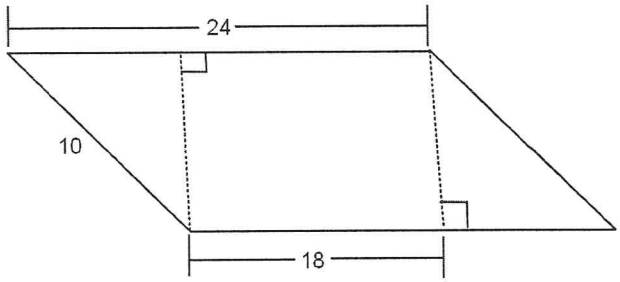
7 

8. 

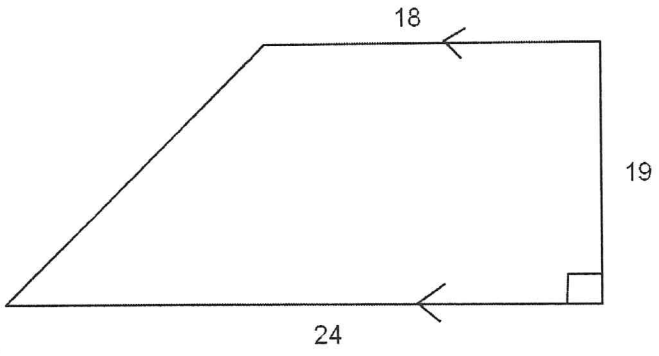
9. Parallelogram



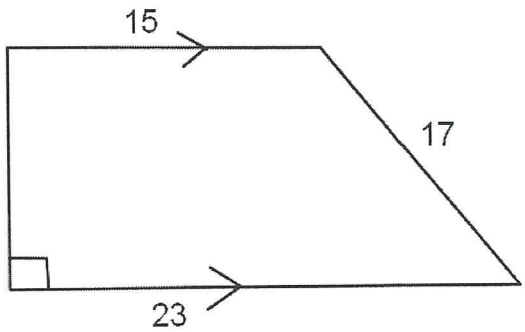
10. Parallelogram



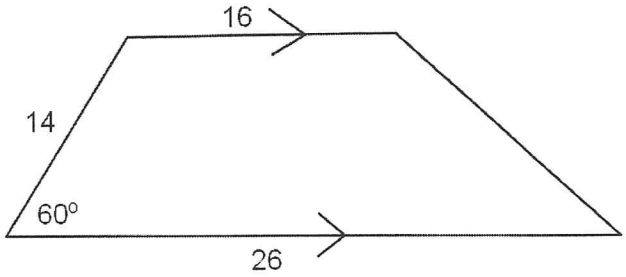
11. Trapezoid



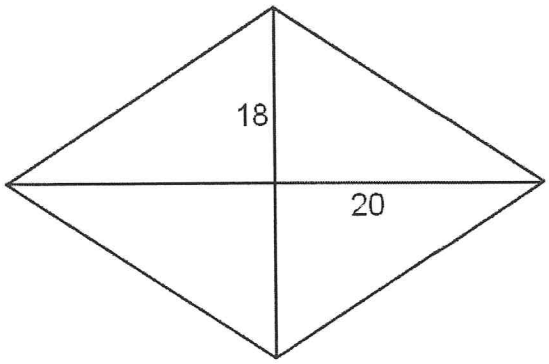
12. Trapezoid



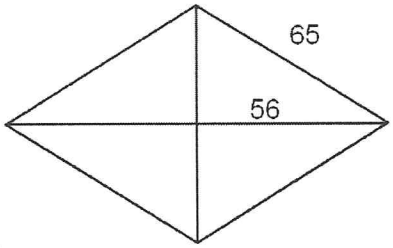
13. Trapezoid. Find the exact area.



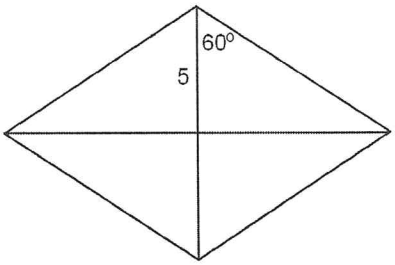
14. Rhombus.



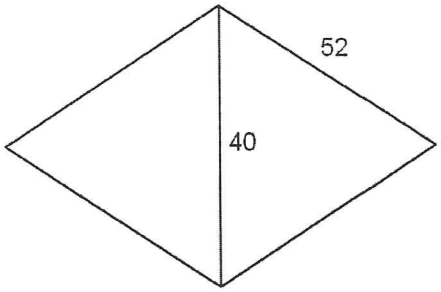
15. Rhombus.



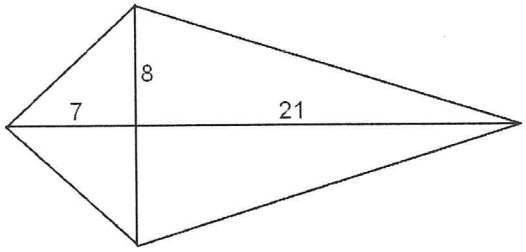
16. Rhombus. Find the exact area.



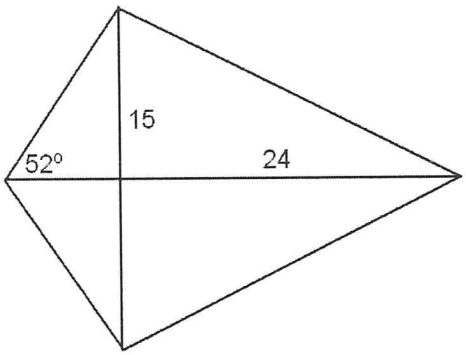
17. Rhombus



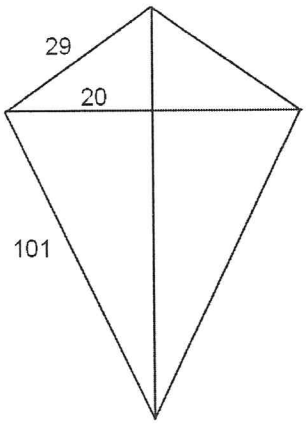
18. Kite.



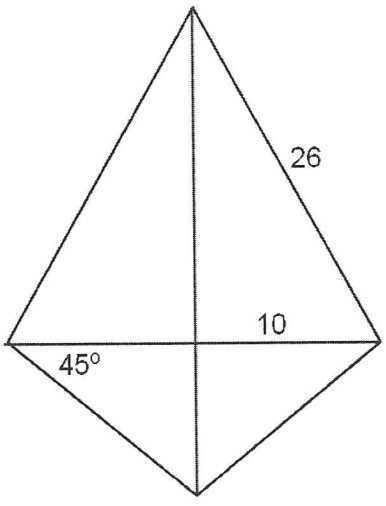
19. Kite.



20. Kite.



21. Kite.



Find the EXACT area of each regular polygon.

22. Equilateral Triangle with radius of 20 in.

23. Equilateral Triangle with apothem of 8 cm

24. Equilateral Triangle with sides of 4 mm.

25. Square with an apothem of 16 ft.

26. Square with radius of 10 m.

27. Regular Hexagon with sides of 14 in.

28. Regular Hexagon with radius of 9 cm.

29. Regular hexagon with apothem of 20 ft.

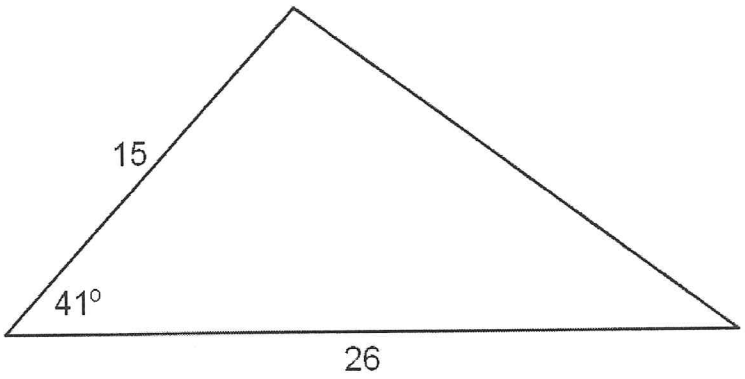
Find the area of each regular polygon to the nearest hundredth.

30. Regular 18-gon with sides of 15 in.

31. Regular 24-gon with apothem of 30 cm.

32. Regular 12-gon (Dodecagon) with radius of 8 ft.

33. Find the area of this triangle to the nearest hundredth.



Geometry Review Sec 10-, 10-2, 10-3, 10-5 Spring 2014 ANSWERS

1. 24 2. 18 3. 24 4. 10 5. 28 6. 38.5 7. 27 8. 40

9. 540 10. 192 11. 399 12. 285 13. $147\sqrt{3}$ 14. 720 15. 3696

16. $50\sqrt{3}$ 17. 1920 18. 224 19. 535.80 20. 2400 21. 340

22. $300\sqrt{3}$ in^3 23. $192\sqrt{3}$ cm^3 24. $4\sqrt{3}$ mm^2 25. 1024 ft^2

26. 200 m^2 27. $294\sqrt{3}$ in^2 28. $121.5\sqrt{3}$ cm^2 29. $1800\sqrt{3}$ ft^2

30. 5741.55 in^2 31. 2844 cm^2 32. 179.59 ft^2 33. 127.92

Geometry Review Sec 10-, 10-2, 10-3, 10-5 Spring 2014 ANSWERS

1. 24 2. 18 3. 24 4. 10 5. 28 6. 38.5 7. 27 8. 40

9. 540 10. 192 11. 399 12. 285 13. $147\sqrt{3}$ 14. 720 15. 3696

16. $50\sqrt{3}$ 17. 1920 18. 224 19. 535.80 20. 2400 21. 340

22. $300\sqrt{3}$ in^3 23. $192\sqrt{3}$ cm^3 24. $4\sqrt{3}$ mm^2 25. 1024 ft^2

26. 200 m^2 27. $294\sqrt{3}$ in^2 28. $121.5\sqrt{3}$ cm^2 29. $1800\sqrt{3}$ ft^2

30. 5741.55 in^2 31. 2844 cm^2 32. 179.59 ft^2 33. 127.92