

Geometry

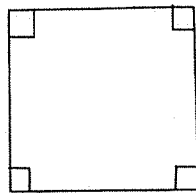
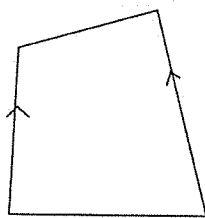
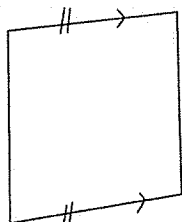
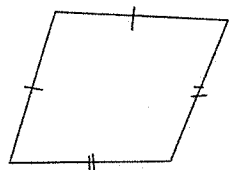
Review for Sec 6-1 to 6-4

Spring 2020

Give the best name for each quadrilateral.

2.

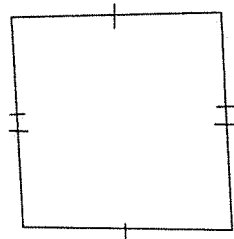
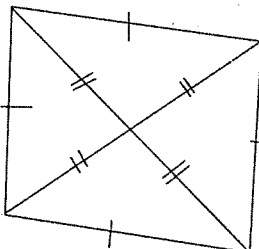
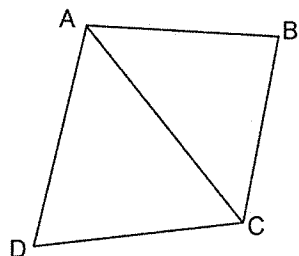
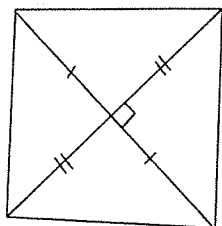
4.



6.

8.

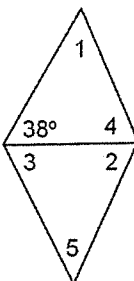
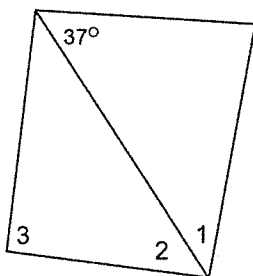
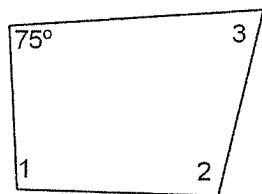
Given: $AB \cong CD$
 $\angle BAC \cong \angle DCA$



Find the measure of each numbered angle in each figure.

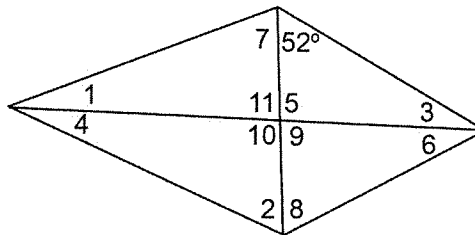
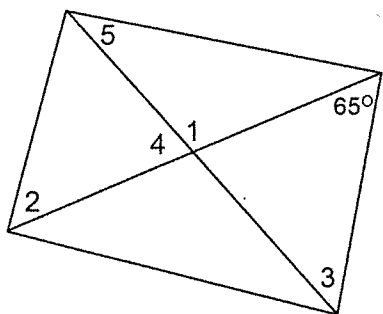
10. Rectangle

11. Rhombus



12. Rectangle

13. Rhombus



14. In Rhombus ABCD $AC = 14$ and $AD = 25$. Find DB .

15. In Rectangle EFGH $EG = 41\text{cm}$ and $HG = 40\text{cm}$. Find the Perimeter of EFGH.

16. The perimeter of Square WXYZ is 24in. Find the length of $\overline{XZ}$ to the nearest hundredth.

- The four horizontal lines are parallel
- $AB=BC=CD$ and $EG=12$, $JK=4$, $AD=15$

Find the given lengths.

A parallelogram with side lengths labeled: top side is $3a - 5$, bottom side is $a + 11$, left side is $2a + 3$, and right side is $1 - 9c$.

A parallelogram with vertices labeled with algebraic expressions:

- Top-left vertex: $10w - 8$
- Top-right vertex: $2w + 44$
- Bottom-left vertex: $4w + 20$
- Bottom-right vertex: $8x$

21. Quad ABCD $A(4, 5)$ $B(-4, 8)$ $C(-7, 0)$ $D(1, -3)$
 22. Quad EFGH $E(-4, -3)$ $F(3, -7)$ $G(2, 1)$ $H(-5, 5)$
 23. Quad JKLM $J(6, 1)$ $K(-4, 3)$ $L(-1, -7)$ $M(9, -9)$
 24. Quad PQRS $P(5, -3)$ $Q(-4, 0)$ $R(-2, 6)$ $S(7, 3)$

Geometry Review for Sec 6-1 to 6-4

ANSWERS

Spring 2020

1. Kite 2. Parallelogram 3. Trapezoid 4. Rectangle 5. Rhombus 6. Isosceles Trapezoid
7. Square 8. Parallelogram 9. $\angle 1, 3 = 105^\circ, \angle 2 = 75^\circ$ 10. $\angle 1 = 53^\circ, \angle 2 = 37^\circ, \angle 3 = 90^\circ$
11. $\angle 1, 5 = 104^\circ, \angle 2, 3, 4 = 38^\circ$ 12. $\angle 1 = 130^\circ, \angle 2, \angle 3 = 65^\circ, \angle 4 = 50^\circ, \angle 5 = 25^\circ$
13. $\angle 1, 3, 4, 6 = 38^\circ, \angle 2, 7, 8 = 52^\circ, \angle 5, 9, 10, 11 = 90^\circ$
14. $DB = 48$ 15. 98cm 16. $XZ = 8.49\text{in}$
17. $HF = 4, BD = 10, ED = 6, FK = 8, GD = 18$
18. $x = 12, y = 19$ 19. $a = 8, b = 4$ 20. a) $w = 12, x = 14$ b) $c = 25, d = 5$
21. Square 22. Rhombus 23. Parallelogram 24. Rectangle