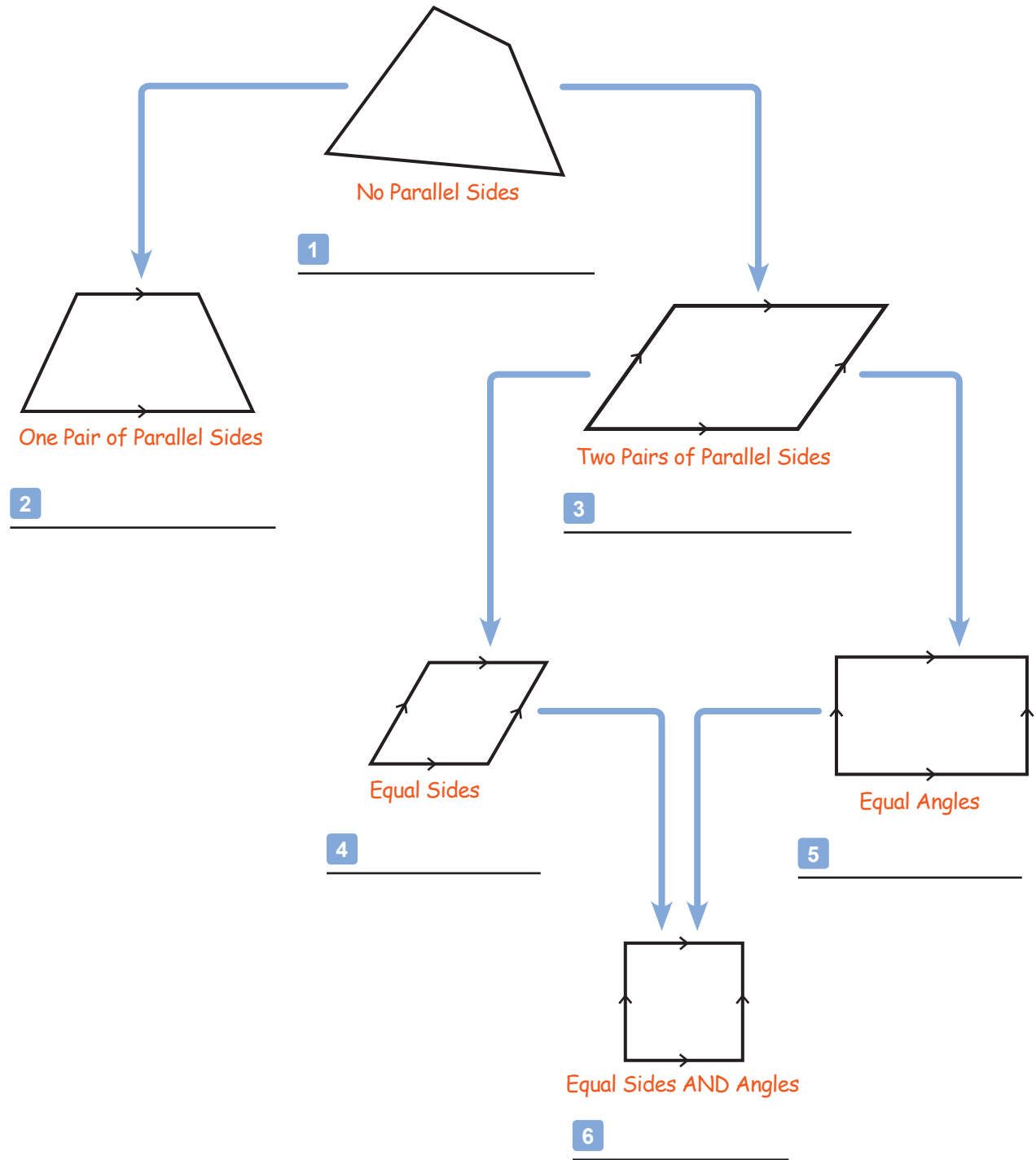**Math Antics**

Worksheets

Quadrilaterals Chart

Instructions: Complete this quadrilaterals chart by filling in the blanks next to each number. The small arrow symbols on the edges of the quadrilaterals show you pairs of parallel sides.

No Parallel Sides

1 _____

One Pair of Parallel Sides

2 _____

Two Pairs of Parallel Sides

3 _____

Equal Sides

4 _____

Equal Angles

5 _____

Equal Sides AND Angles

6 _____

▶ **Quadrilaterals • mathantics.com**

Math Antics® Worksheets

Name: _____

Date: _____

Classifying Quadrilaterals

Instructions: For these quadrilateral, check <u>each</u> box that applies. There may be multiple right answers because more than one term may apply to each quadrilateral. For example, a square is also technically a parallelogram.
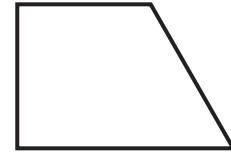
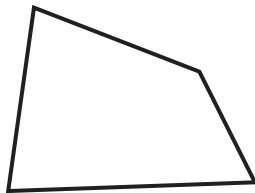**1**

- ☒ Square
- ☒ Quadrilateral
- ☐ Trapezoid
- ☒ Parallelogram
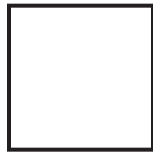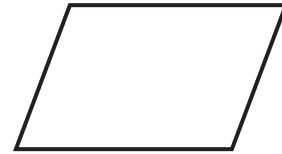
2

- ☐ Triangle
- ☐ Trapezoid
- ☐ Rhombus
- ☐ Quadrilateral

3

- ☐ Parallelogram
- ☐ Trapezoid
- ☐ Rectangle
- ☐ Quadrilateral

4

- ☐ Rectangle
- ☐ Quadrilateral
- ☐ Rhombus
- ☐ Parallelogram

5

- ☐ Parallelogram
- ☐ Rhombus
- ☐ Square
- ☐ Rectangle
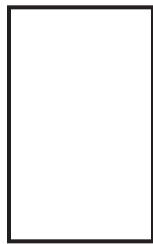
6

- ☐ Trapezoid
- ☐ Quadrilateral
- ☐ Rhombus
- ☐ Parallelogram
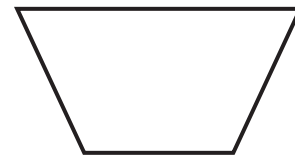
7

- ☐ Square
- ☐ Rhombus
- ☐ Rectangle
- ☐ Parallelogram

8

- ☐ Trapezoid
- ☐ Rhombus
- ☐ Parallelogram
- ☐ Square

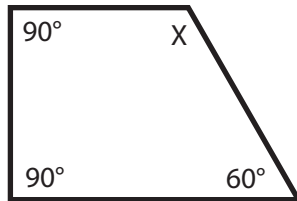▶ Quadrilaterals • mathantics.com

Math Antics
Worksheets
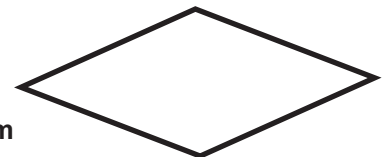
Finding an Unknown Angle

Instructions: For each quadrilateral, find the unknown angle (X). Remember that the four interior angles must add up to a total of 360 degrees.
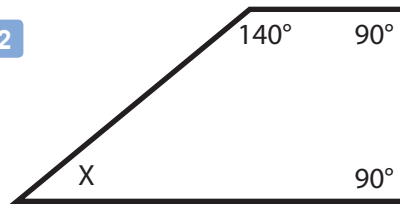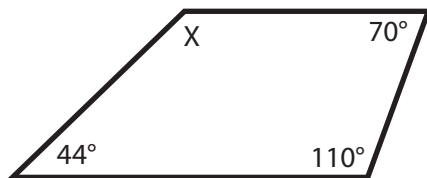
1

90°   X

90°   60°

m∠X = __120°__

```
  90
  90      360
+ 60    − 240
 240      120
```

2

140°   90°

X   90°

m∠X = _____

3

X   70°

44°   110°

m∠X = _____

4

X

60°

140°   110°

m∠X = _____

5

42°   105°

X   75°

m∠X = _____

6

X

60°

170°   50°

m∠X = _____

Name: _____

Date: _____
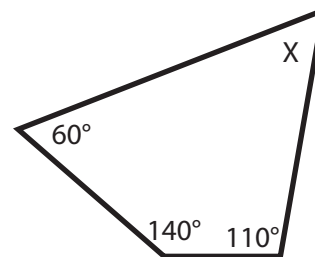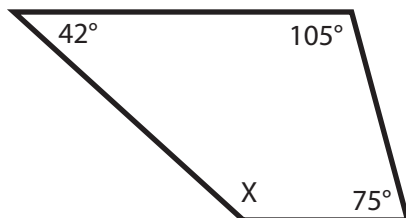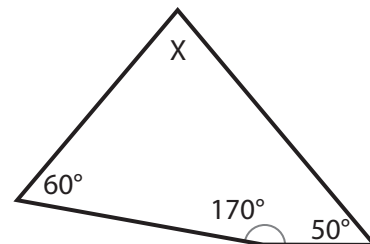
Finding an Unknown Angle in a Parallelogram

Instructions: For each parallelogram, find the unknown angle (X). Remember that the opposite angles in a parallelogram are equal, and that all four angles must add to a total of 360 degrees.

1

X   45°

45°   X
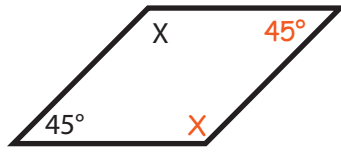
m∠X = ___135°___

$$\begin{array}{r} 45 \\ + 45 \\ \hline 90 \end{array}$$

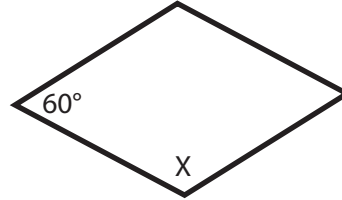$$\begin{array}{r} 360 \\ - 90 \\ \hline 270 \end{array}$$

$$\begin{array}{r} 135 \\ 2\overline{)270} \end{array}$$

2

60°

X

m∠X = _____

3

70°

X

m∠X = _____

4

X   125°

m∠X = _____

5

118°   X

m∠X = _____

6

X

32°

m∠X = _____