The coordinate plane

Name _____ Date _____

Right and left change x. Up and down change y.

Common Core 5.G.A.1–2

Example Start at (5, 7). Move 3 right, 4 down.

1. Right adds to x: 5 + 3 = 8.
2. Down takes away from y: 7 − 4 = 3.

Answer: (8, 3)

1. Start at (3, 2). Move 3 left, 3 up.
   New point: (☐ , ☐)

2. Start at (6, 9). Move 1 left, 2 up.
   New point: (☐ , ☐)

3. Start at (4, 3). Move 7 right, 1 down.
   New point: (☐ , ☐)

4. Start at (9, 3). Move 4 left, 2 down.
   New point: (☐ , ☐)

5. Start at (2, 7). Move 1 right, 6 down.
   New point: (☐ , ☐)

6. Start at (2, 3). Move 1 right, 1 up.
   New point: (☐ , ☐)

One number stays the same. Subtract the other two.

Example How far is it from (4, 9) to (4, 2)?

1. The x numbers are the same, so the points are on one vertical line.
2. Subtract the y numbers: 9 − 2 = 7.

Answer: 7 units

7. (11, 1) and (3, 1)
   Distance: ☐ units

8. (1, 8) and (10, 8)
   Distance: ☐ units

9. (10, 2) and (10, 10)
   Distance: ☐ units

10. (11, 7) and (7, 7)
    Distance: ☐ units

11. (2, 6) and (0, 6)
    Distance: ☐ units

12. (6, 6) and (6, 0)
    Distance: ☐ units

Free to share with other families. Not for resale.

Shapes

Name _____ Date _____

Best name: square, rectangle, rhombus, parallelogram or trapezoid. Common Core 5.G.B.3–4

Example Sides 7, 7, 7, 7 cm. Angles 65°, 115°, 65°, 115°.
1. All four sides are equal, so it is a rhombus (or a square).
2. The angles are not 90°, so it is not a square.

Answer: rhombus

1. Sides 3, 3, 3, 3 cm → ☐
   Angles 105°, 75°, 105°, 75°

2. Sides 7, 10, 7, 10 cm → ☐
   Angles 105°, 75°, 105°, 75°

3. Sides 3, 9, 3, 9 cm → ☐
   Angles 65°, 115°, 65°, 115°

4. Sides 7, 4, 7, 4 cm → ☐
   Angles 50°, 130°, 50°, 130°

5. Sides 12, 10, 7, 10 cm → ☐
   Parallel sides: 1 pair only

6. Sides 7, 5, 7, 5 cm → ☐
   Angles all 90°

Sides: equilateral, isosceles, scalene. Angles: acute, right, obtuse.

Example Sides 9, 9, 6 cm. Angles 30°, 50°, 100°.
1. Two equal sides: isosceles.
2. One angle is more than 90°: obtuse.

Answer: isosceles; obtuse

7. Sides 12, 2, 12 cm → ☐

8. Angles 22°, 11°, 147° → ☐

9. Sides 14, 27, 14 cm → ☐

10. Angles 25°, 143°, 12° → ☐

11. Angles 76°, 66°, 38° → ☐

12. Angles 52°, 38°, 90° → ☐

Free to share with other families. Not for resale.

Answers

Answers are in the same order as the boxes.

Page 1 · The coordinate plane

1. (0, 5)
2. (5, 11)
3. (11, 2)
4. (5, 1)
5. (3, 1)
6. (3, 4)
7. 8 units
8. 9 units
9. 8 units
10. 4 units
11. 2 units
12. 6 units

Page 2 · Shapes

1. rhombus
2. parallelogram
3. parallelogram
4. parallelogram
5. trapezoid
6. rectangle
7. isosceles
8. obtuse
9. isosceles
10. obtuse
11. acute
12. right

Want more? Try the full Steady Practice pack for this topic: one skill per sheet, easiest first.