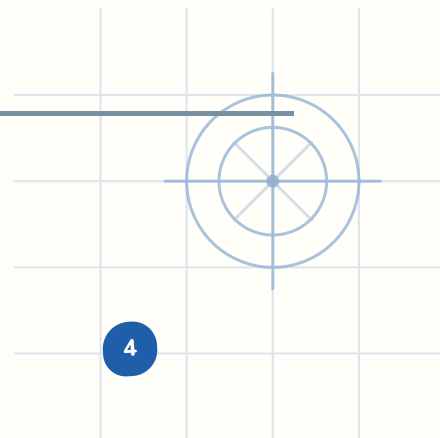


Geometry — Angle types

Name: _____

Date: _____

Write whether each angle is acute, right, or obtuse.



1



acute

right

obtuse

2



acute

right

obtuse

3



acute

right

obtuse

4



acute

right

obtuse

5

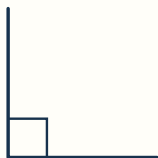


acute

right

obtuse

6



acute

right

obtuse

7



acute

right

obtuse

8



acute

right

obtuse



Angle pairs — Every angle fact

Name: _____

Date: _____

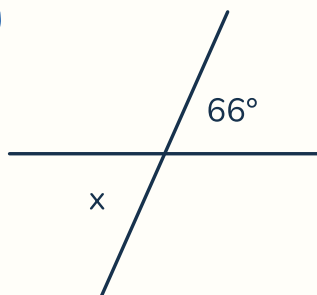
Find the angle marked x. Give each answer in degrees.

1



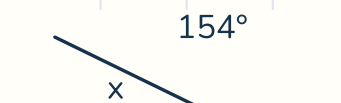
64 degrees

2



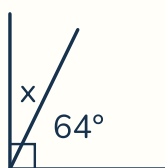
_____ degrees

3



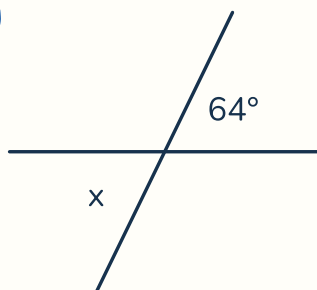
_____ degrees

4



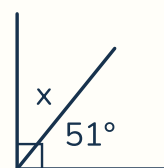
_____ degrees

5



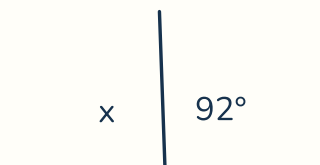
_____ degrees

6



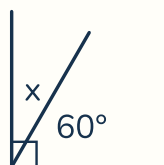
_____ degrees

7



_____ degrees

8



_____ degrees



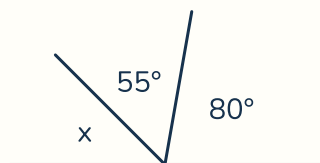
Angles on a line and around a point — Angles on a straight line

Name: _____

Date: _____

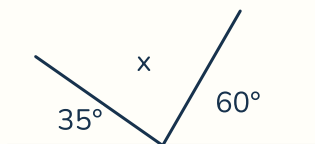
Find the angle marked x . The angles on each line add to 180° .

1



45 degrees

2



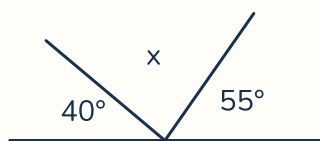
_____ degrees

3



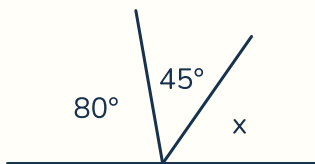
_____ degrees

4



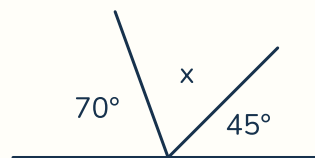
_____ degrees

5



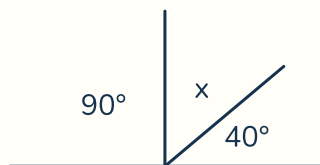
_____ degrees

6



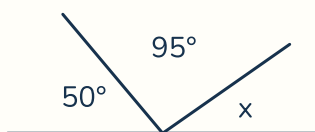
_____ degrees

7



_____ degrees

8



_____ degrees



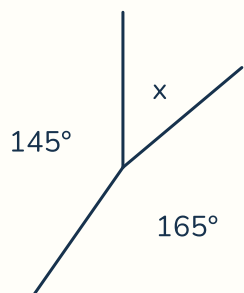
Angles on a line and around a point — Angles around a point

Name: _____

Date: _____

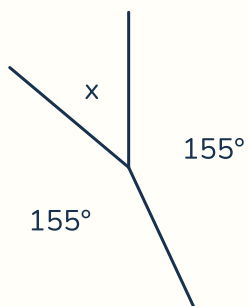
Find the angle marked x . The angles around each point add to 360° .

1



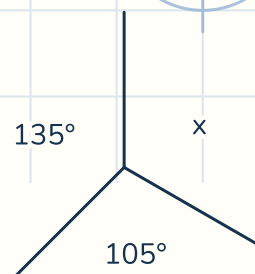
50 degrees

2



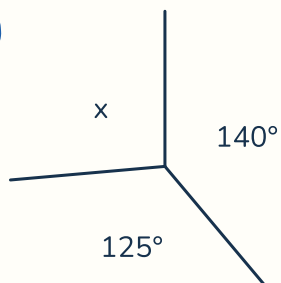
_____ degrees

3



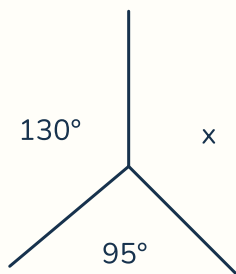
_____ degrees

4



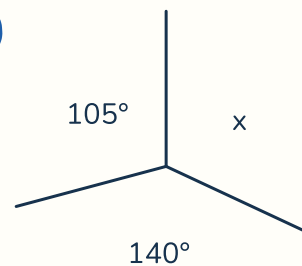
_____ degrees

5



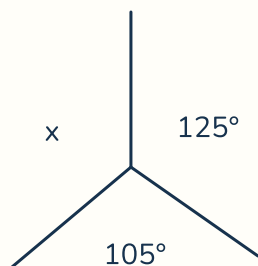
_____ degrees

6



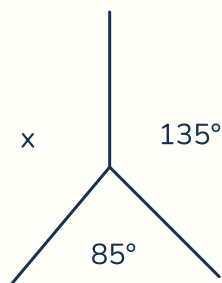
_____ degrees

7

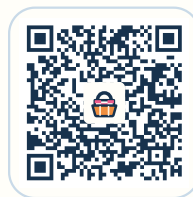


_____ degrees

8



_____ degrees

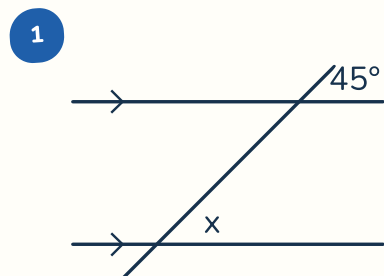


Angles in parallel lines — Corresponding angles

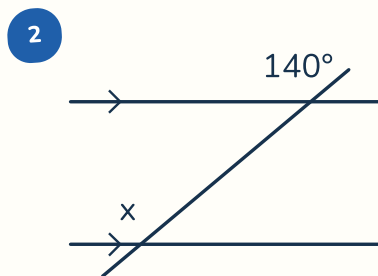
Name: _____

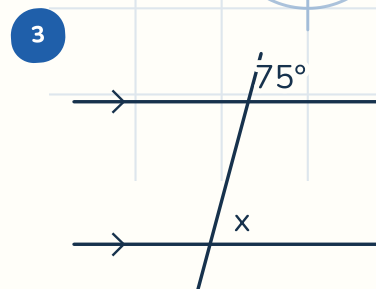
Date: _____

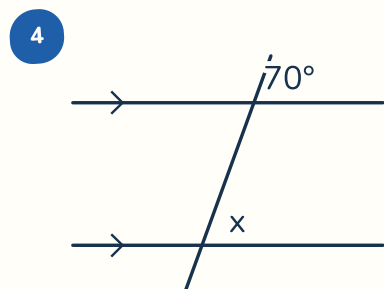
The two lines are parallel. Find x .

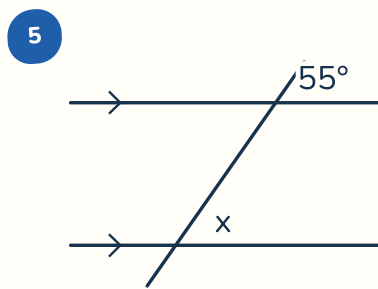


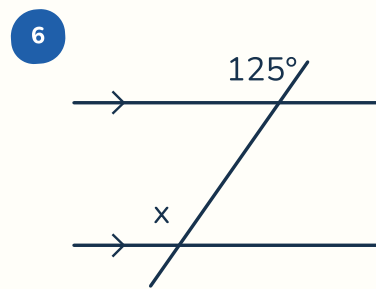
45

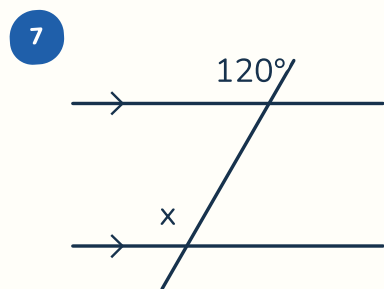


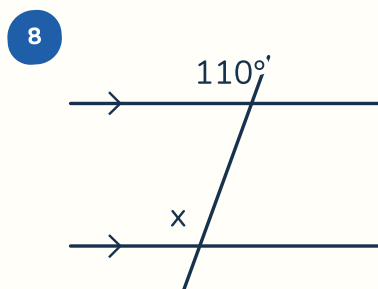












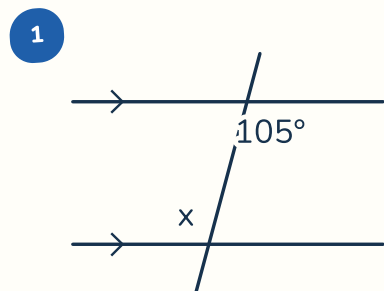


Angles in parallel lines — Alternate angles

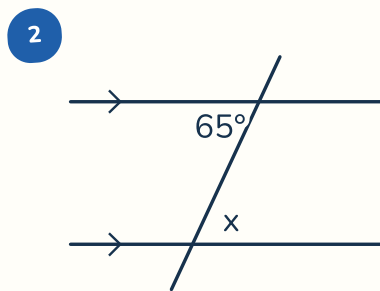
Name: _____

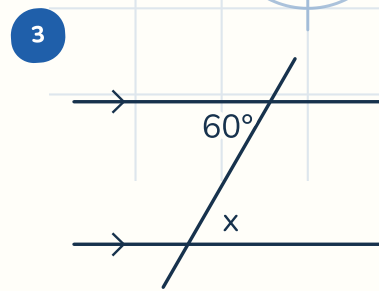
Date: _____

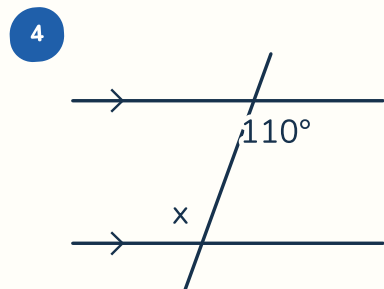
The two lines are parallel. Find x .

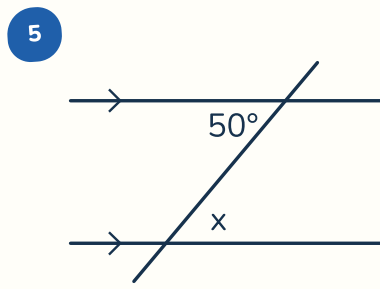


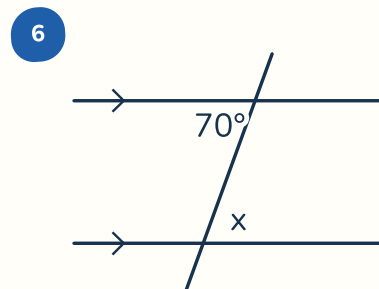
105

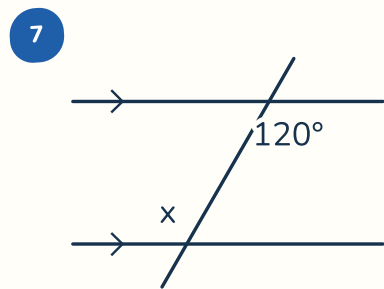


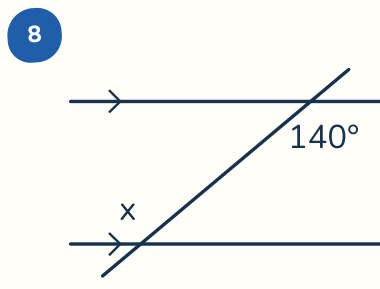














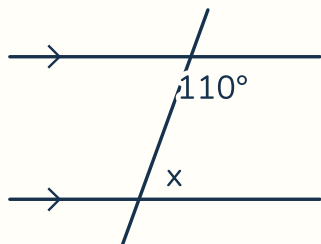
Angles in parallel lines — Co-interior angles

Name: _____

Date: _____

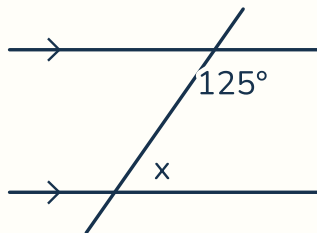
The two lines are parallel. Find x .

1

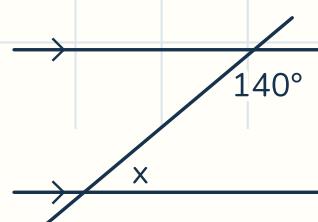


70

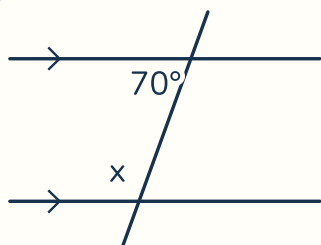
2



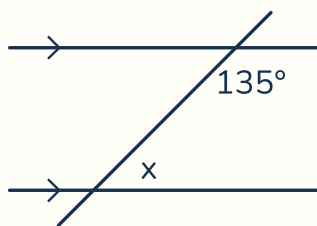
3



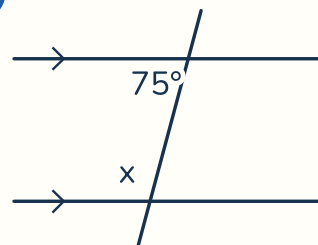
4



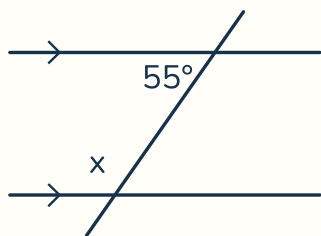
5



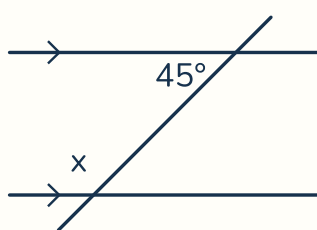
6

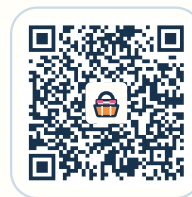


7



8



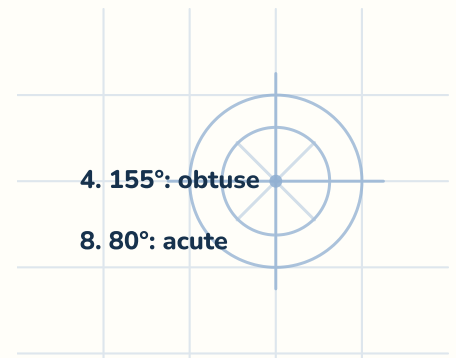


Power Pack · Angles — Answer key

Angle types

- | | | |
|-------------------------|-----------------------|-------------------------|
| 1. 40° : acute | 2. 45° : acute | 3. 110° : obtuse |
| 5. 160° : obtuse | 6. 90° : right | 7. 25° : acute |

4. 155° : obtuse
8. 80° : acute



Angle pairs

- | | | | |
|--|---|--|---|
| 1. supplementary, 116° : 64° | 2. vertical, 66° : 66° | 3. supplementary, 154° : 26° | 4. complementary, 64° : 26° |
| 5. vertical, 64° : 64° | 6. complementary, 51° : 39° | 7. supplementary, 92° : 88° | 8. complementary, 60° : 30° |

Angles on a straight line

- | | | | |
|--|--|--|--|
| 1. 180° (80° , 55° , x): 45° | 2. 180° (60° , x , 35°): 85° | 3. 180° (75° , x , 55°): 50° | 4. 180° (55° , x , 40°): 85° |
| 5. 180° (x , 45° , 80°): 55° | 6. 180° (45° , x , 70°): 65° | 7. 180° (40° , x , 90°): 50° | 8. 180° (x , 95° , 50°): 35° |

Angles around a point

- | | | | |
|--|---|---|--|
| 1. 360° (145° , 165° , x): 50° | 2. 360° (x , 155° , 155°): 50° | 3. 360° (135° , 105° , x): 120° | 4. 360° (x , 125° , 140°): 95° |
| 5. 360° (130° , 95° , x): 135° | 6. 360° (105° , 140° , x): 115° | 7. 360° (x , 105° , 125°): 130° | 8. 360° (x , 85° , 135°): 140° |

Corresponding angles

- | | | | |
|---|---|---|---|
| 1. corresponding, 45° : 45° | 2. corresponding, 140° : 140° | 3. corresponding, 75° : 75° | 4. corresponding, 70° : 70° |
| 5. corresponding, 55° : 55° | 6. corresponding, 125° : 125° | 7. corresponding, 120° : 120° | 8. corresponding, 110° : 110° |

Alternate angles

- | | | | |
|---|---------------------------------------|---|---|
| 1. alternate, 105° : 105° | 2. alternate, 65° : 65° | 3. alternate, 60° : 60° | 4. alternate, 110° : 110° |
| 5. alternate, 50° : 50° | 6. alternate, 70° : 70° | 7. alternate, 120° : 120° | 8. alternate, 140° : 140° |

Co-interior angles

- | | | | |
|--|--|--|--|
| 1. co interior, 110° : 70° | 2. co interior, 125° : 55° | 3. co interior, 140° : 40° | 4. co interior, 70° : 110° |
| 5. co interior, 135° : 45° | 6. co interior, 75° : 105° | 7. co interior, 55° : 125° | 8. co interior, 45° : 135° |