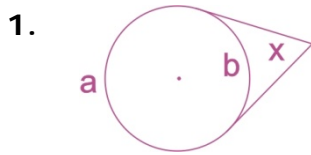Name: _____   Date _____
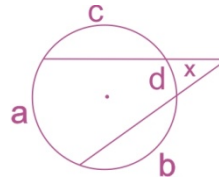
Topic : <u>Angles in Circle - Angles outside circle - Worksheet 1</u>
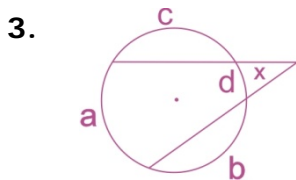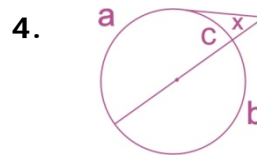
Do the following:

1. Given two tangents, $a=242°$, find x.
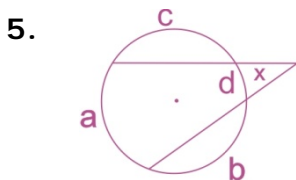
2. Given two secants, $a=6t+50$, $d=10°$, $x=4t$ find x.

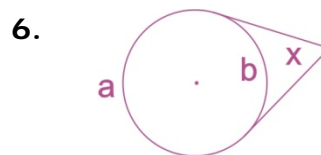**3.** Given two secants, $a=168°$, $x=25°$, find d.

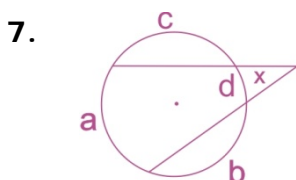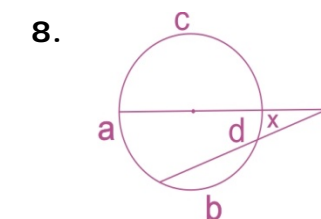**4.** Given two tangents, $a=140°$, find x.

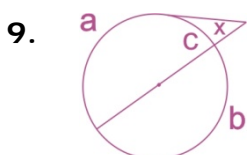**5.** Given two secants, $a=250$, $d=4t$, $c=t$, $b=t$, find x.
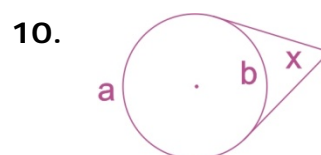
6. Given two tangents, $a=240°$, find x.

7. Given two secants, $a=260°$, $d=35°$, find x.

8. Given two secants, $a=200$, $d=3t$, $c=t$, $b=t$, find x.

9. Given a tangent and a secant, $c=75°$, $x=20°$, find a
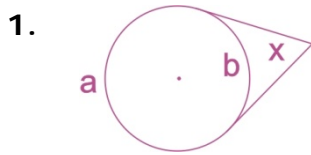
10. Given two tangents, $a=265°$, find x.

Name: _____   Date _____
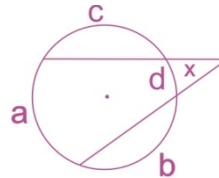
Topic : <u>Angles in Circle - Angles outside circle - Worksheet 2</u>

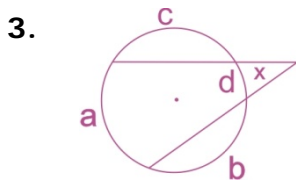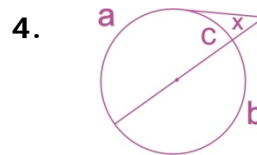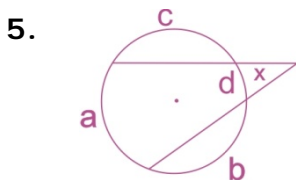Do the following:

1. Given two tangents, $a=230°$, find x.

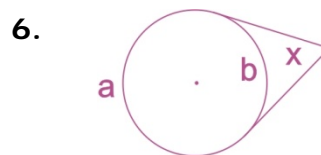**2.** Given two secants, $a=6t+40$, $d=10°$, $x=6t$ find x.

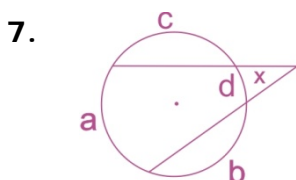**3.** Given two secants, $a=172°$, $x=30°$, find d.
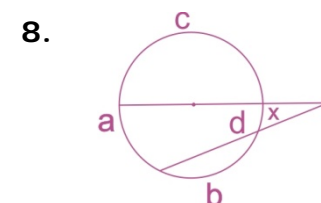
4. Given two tangents, $a=128°$, find x.

5. Given two secants, $a=230$, $d=5t$, $c=t$, $b=t$, find x.

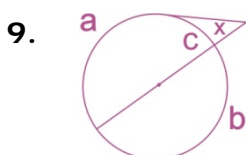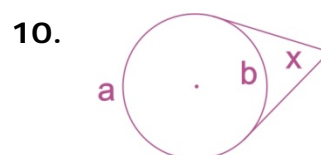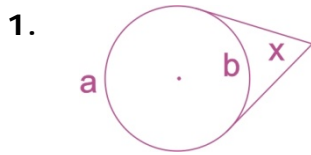**6.** Given two tangents, $a=258°$, find x.

7. Given two secants, $a=235°$, $d=40°$, find x.

8. Given two secants, $a=298$, $d=4t$, $c=t$, $b=t$, find x.

9. Given a tangent and a secant, $c=85°$, $x=30°$, find a

10. Given two tangents, $a=235°$, find x.
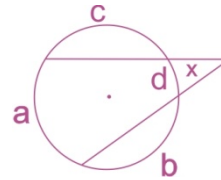
Topic : <u>Angles in Circle - Angles outside circle - Worksheet 3</u>

Do the following:

1. Given two tangents, a=220°, find x.

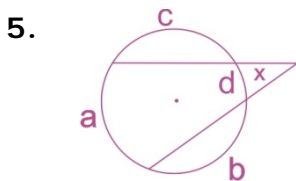**2.** Given two secants, a=5t+10, d=30°,x=4t find x.
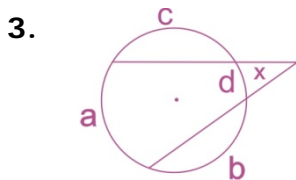
3. Given two secants, a=185°, x=35°, find d.
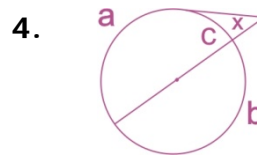
4. Given two tangents, a=130°, find x.

5. Given two secants, a=245, d=3t, c=t, b=t, find x.
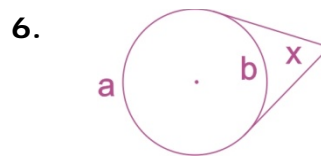
6. Given two tangents, a=245°, find x.
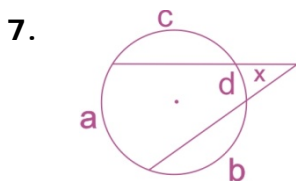
7. Given two secants, a=210°, d=50°, find x.
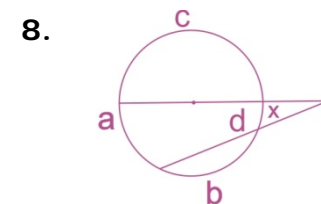
8. Given two secants, a=125, d=2t, c=t, b=2t, find x.
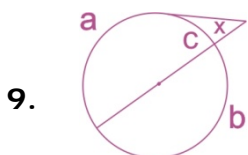
9. Given a tangent and a secant, a= 95°, x=5°, find c
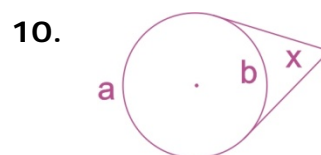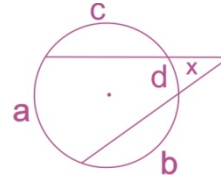
10. Given two tangents, a=216°, find x.

Topic : <u>Angles in Circle - Angles outside circle - Worksheet 4</u>

Do the following:

1.

Given two tangents, a=250°, find x.

2.
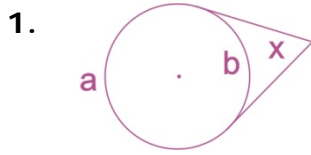
Given two secants, a=3t+24, d=10°,x=5t find x.

3.

Given two secants, a=198°, x=55°, find d.

4.

Given two tangents, a=140°, find x.

5.
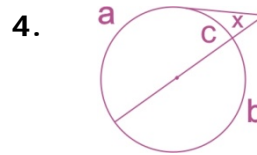
Given two secants, a=230, d=3t, c=t, b=t, find x.

6.
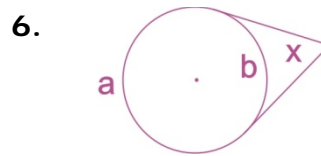
Given two tangents, a=195°, find x.

7.
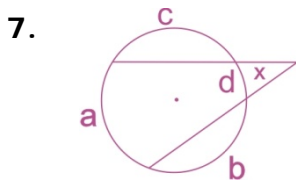
Given two secants, a=225°, d=80°, find x.

8.
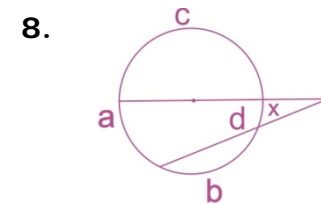
Given two secants, a=270, d=7t, c=t, b=t, find x.

9.
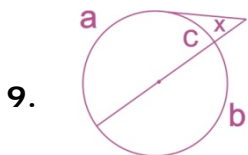
Given a tangent and a secant, a= 130°, x=25°, find c

10.
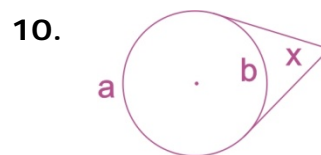
Given two tangents, a=240°, find x.

Name: _____   Date _____

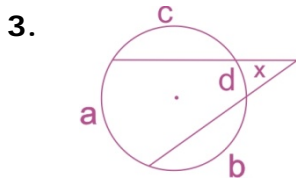Topic : <u>Angles in Circle - Angles outside circle - Worksheet 5</u>

Do the following:

1.

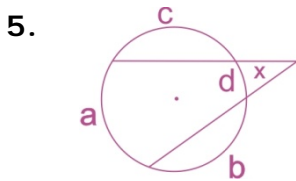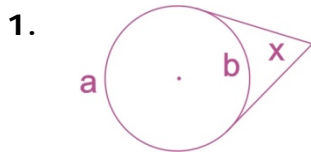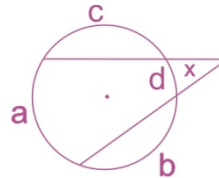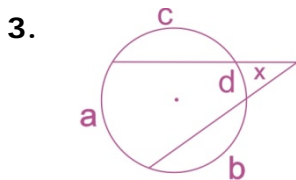Given two tangents, a=210°, find x.
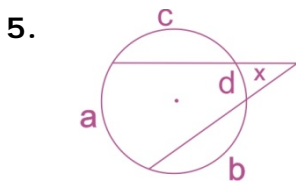
2.

Given two secants, a=3t+65, d=20°,x=6t find x.

3.

Given two secants, a=178°, x=60°, find d.

4.
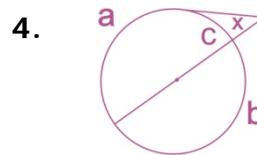
Given two tangents, a=120°, find x.

5.

Given two secants, a=200, d=2t, c=t, b=t, find x.

6.

Given two tangents, a=250°, find x.

7.
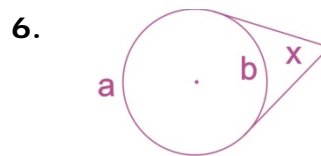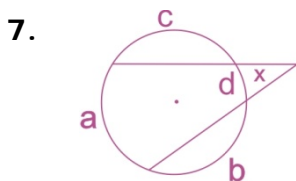
Given two secants, a=264°, d=100°, find x.

8.
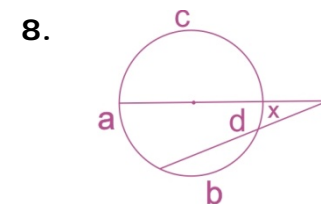
Given two secants, a=110, d=2t, c=2t, b=t, find x.

9.
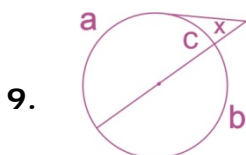
Given a tangent and a secant, a= 135°, x=45°, find c

10.
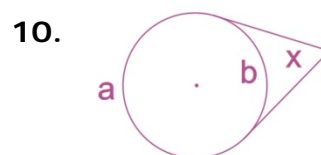
Given two tangents, a=280°, find x.