

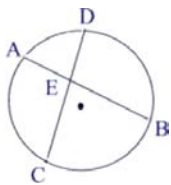
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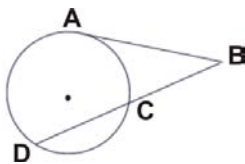
Topic : Chords Secants Tangents in Circles - Worksheet 1

Do the following:

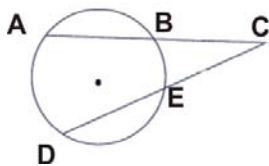
| | Given | AE | BE | CE | DE | Find x |
|---|-------|-------|-------|-------|----|--------|
| Given: | 1. | 3 | $x+4$ | 6 | x | |
| | 2. | $3+x$ | 5 | x | 7 | |
| circle with two chords as marked | 3. | x | 5 | $x+3$ | 4 | |
| | 4. | $2+x$ | 5 | 6 | x | |



| | Given AB | BC | Find CD |
|--|----------|----|---------|
| Given: circle with tangent and secant | 5. | 7 | 6 |
| | 6. | 5 | 7 |
| | 7. | 8 | 6 |



| | Given DE | EC | BC | Find AB |
|---------------------------------------|----------|----|----|---------|
| Given: circle with two secants | 8. | 12 | 7 | 5 |
| | 9. | 9 | 5 | 6 |
| | 10. | 10 | 6 | 5 |



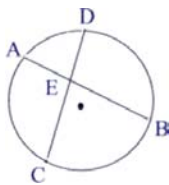
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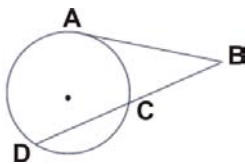
Topic : Chords Secants Tangents in Circles - Worksheet 2

Do the following:

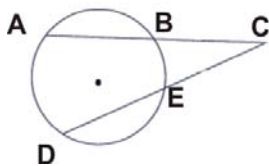
| | Given | AE | BE | CE | DE | Find x |
|---|-------|-------|-------|-------|----|--------|
| Given: | 1. | 4 | $x+3$ | 5 | x | |
| | 2. | $4+x$ | 6 | x | 8 | |
| circle with two chords as marked | 3. | x | 9 | $x+4$ | 7 | |
| | 4. | $3+x$ | 7 | 10 | x | |



| | Given | AB | BC | Find CD |
|--|-------|----|----|---------|
| Given: circle with tangent and secant | 5. | 8 | 6 | |
| | 6. | 9 | 5 | |
| | 7. | 6 | 4 | |



| | Given | DE | EC | BC | Find AB |
|---------------------------------------|-------|----|----|----|---------|
| Given: circle with two secants | 8. | 10 | 8 | 3 | |
| | 9. | 8 | 6 | 7 | |
| | 10. | 12 | 7 | 8 | |



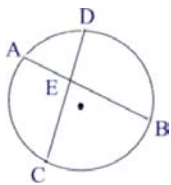
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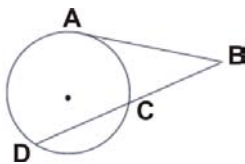
Topic : Chords Secants Tangents in Circles - Worksheet 3

Do the following:

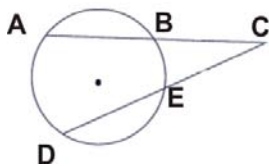
| | Given | AE | BE | CE | DE | Find x |
|---|-------|-------|-------|-------|----|--------|
| Given: | 1. | 5 | $x+4$ | 6 | x | |
| | 2. | $2+x$ | 5 | x | 9 | |
| circle with two chords as marked | 3. | x | 8 | $x+5$ | 7 | |
| | 4. | $4+x$ | 8 | 12 | x | |



| | Given | AB | BC | Find CD |
|--|-------|----|----|---------|
| Given: circle with tangent and secant | 5. | 9 | 8 | |
| | 6. | 10 | 5 | |
| | 7. | 8 | 6 | |



| | Given | DE | EC | BC | Find AB |
|---------------------------------------|-------|----|----|----|---------|
| Given: circle with two secants | 8. | 14 | 9 | 4 | |
| | 9. | 6 | 5 | 7 | |
| | 10. | 10 | 6 | 4 | |



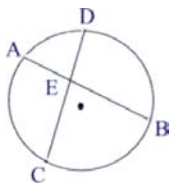
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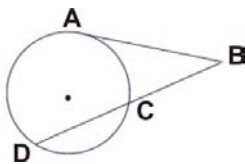
Topic : Chords Secants Tangents in Circles - Worksheet 4

Do the following:

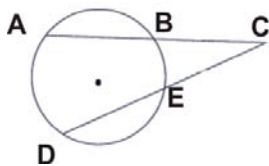
| | Given | AE | BE | CE | DE | Find x |
|---|-------|-------|-------|-------|----|--------|
| Given: | 1. | 6 | $x+2$ | 8 | x | |
| | 2. | $3+x$ | 8 | x | 10 | |
| circle with two chords as marked | 3. | x | 7 | $x+4$ | 12 | |
| | 4. | $3+x$ | 6 | 10 | x | |



| | Given | AB | BC | Find CD |
|--|-------|----|----|---------|
| Given: circle with tangent and secant | 5. | 8 | 6 | |
| | 6. | 9 | 3 | |
| | 7. | 10 | 8 | |



| | Given | DE | EC | BC | Find AB |
|---------------------------------------|-------|----|----|----|---------|
| Given: circle with two secants | 8. | 12 | 8 | 6 | |
| | 9. | 17 | 15 | 11 | |
| | 10. | 8 | 5 | 4 | |



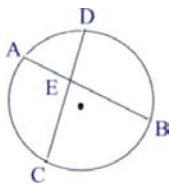
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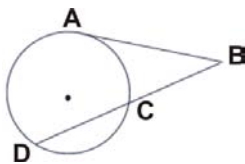
Topic : Chords Secants Tangents in Circles - Worksheet 5

Do the following:

| | Given | AE | BE | CE | DE | Find x |
|---|-------|-------|-------|-------|----|--------|
| Given: | 1. | 7 | $x+3$ | 10 | x | |
| | 2. | $4+x$ | 9 | x | 8 | |
| circle with two chords as marked | 3. | x | 6 | $x+2$ | 8 | |
| | 4. | $4+x$ | 8 | 12 | x | |



| | Given AB | BC | Find CD |
|--|----------|----|---------|
| Given: circle with tangent and secant | 5. | 7 | 5 |
| | 6. | 8 | 2 |
| | 7. | 10 | 6 |



| | Given DE | EC | BC | Find AB |
|---------------------------------------|----------|----|----|---------|
| Given: circle with two secants | 8. | 8 | 6 | 3 |
| | 9. | 12 | 10 | 8 |
| | 10. | 6 | 5 | 3 |

