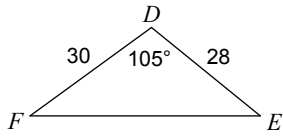


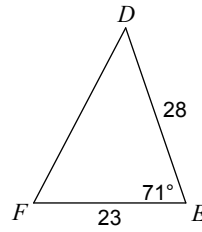
WS Law of Sines & Cosines

Solve each triangle.

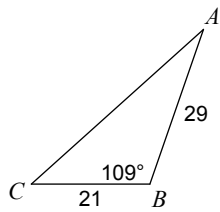
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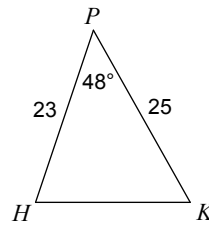
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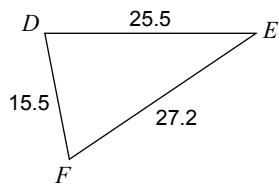
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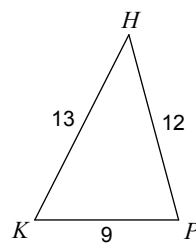
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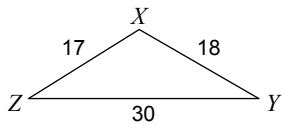
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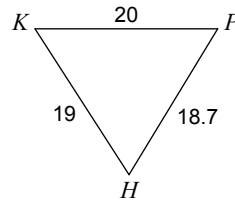
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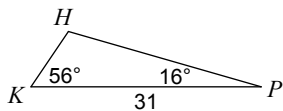
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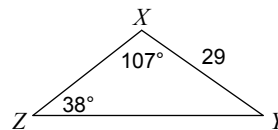
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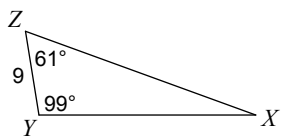
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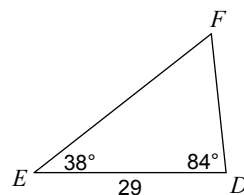
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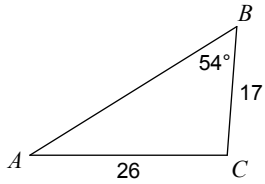
11)



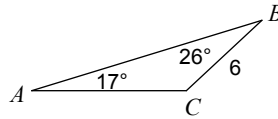
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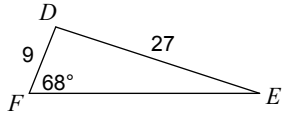
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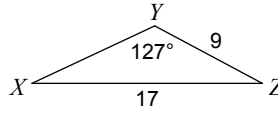
14)



15)

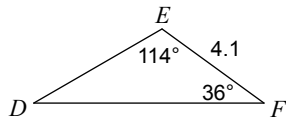


16)

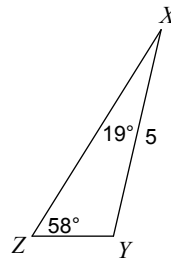


Find the area of each triangle to the nearest tenth.

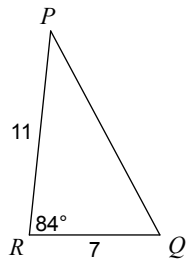
17)



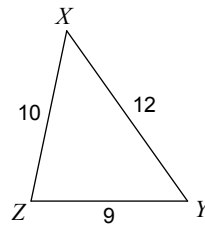
18)



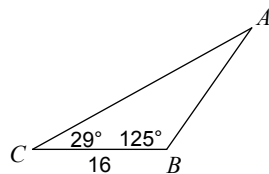
19)



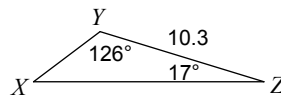
20)



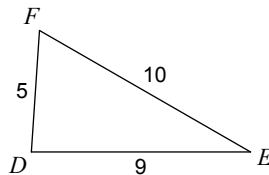
21)



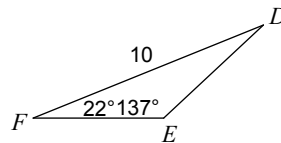
22)



23)



24)



Answers to WS Law of Sines & Cosines

- 1) $m\angle E = 39^\circ$, $m\angle F = 36^\circ$, $d = 46$
- 2) $m\angle F = 62.3^\circ$, $m\angle D = 46.7^\circ$, $e = 29.9$
- 3) $m\angle C = 42^\circ$, $m\angle A = 29^\circ$, $b = 41$
- 4) $m\angle K = 60.6^\circ$, $m\angle H = 71.4^\circ$, $p = 19.6$
- 5) $m\angle E = 34^\circ$, $m\angle F = 67^\circ$, $m\angle D = 79^\circ$
- 6) $m\angle K = 63^\circ$, $m\angle H = 42^\circ$, $m\angle P = 75^\circ$
- 7) $m\angle Z = 32^\circ$, $m\angle X = 118^\circ$, $m\angle Y = 30^\circ$
- 8) $m\angle H = 64.1^\circ$, $m\angle P = 58.7^\circ$, $m\angle K = 57.2^\circ$
- 9) $m\angle H = 108^\circ$, $k = 27$, $p = 9$
- 10) $m\angle Y = 35^\circ$, $x = 45$, $y = 27$
- 11) $m\angle X = 20^\circ$, $y = 26$, $z = 23$
- 12) $m\angle F = 58^\circ$, $d = 34$, $e = 21.1$
- 13) $m\angle C = 94.1^\circ$, $m\angle A = 31.9^\circ$, $c = 32.1$
- 14) $m\angle C = 137^\circ$, $b = 9$, $c = 14$
- 15) $m\angle D = 94^\circ$, $m\angle E = 18^\circ$, $d = 29$
- 16) $m\angle Z = 28^\circ$, $m\angle X = 25^\circ$, $z = 10$
- 17) 9 units²
- 18) 4.6 units²
- 19) 38.3 units²
- 20) 44 units²
- 21) 116 units²
- 22) 20.8 units²
- 23) 22.4 units²
- 24) 9.9 units²