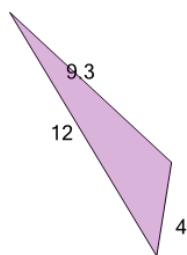




Math worksheet on 'Trigonometry - Heron's Formula - Setup (Level 1)'. Part of a broader unit on 'Trigonometry - Solving Triangles'

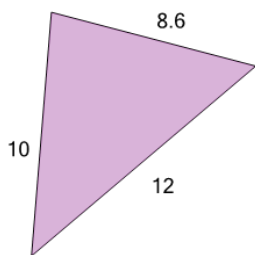
Learn online: [app.mobius.academy/math/units/trigonometry\\_solving\\_triangles/](http://app.mobius.academy/math/units/trigonometry_solving_triangles/)

**2** Select the right formula for the area of the triangle



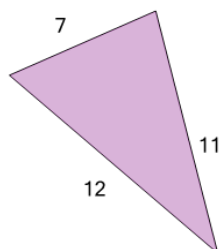
- a**  $12.7(12.7 - 9.3)(12.7 - 12)(12.7 - 4)$
- b**  $12.7(12.7 + 9.3)(12.7 + 12)(12.7 + 4)$
- c**  $\sqrt{12.7(12.7 + 9.3)(12.7 + 12)(12.7 + 4)}$
- d**  $\sqrt{12.7(12.7 - 9.3)(12.7 - 12)(12.7 - 4)}$
- e**  $\sqrt{12.7(9.3 - 12.7)(12 - 12.7)(4 - 12.7)}$

**4** Select the right formula for the area of the triangle



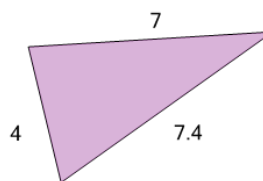
- a**  $15.3(15.3 - 8.6)(15.3 - 10)(15.3 - 12)$
- b**  $\sqrt{15.3(15.3 - 8.6)(15.3 - 10)(15.3 - 12)}$
- c**  $\sqrt{15.3(8.6 - 15.3)(10 - 15.3)(12 - 15.3)}$
- d**  $15.3(15.3 + 8.6)(15.3 + 10)(15.3 + 12)$
- e**  $\sqrt{15.3(15.3 + 8.6)(15.3 + 10)(15.3 + 12)}$

**6** Select the right formula for the area of the triangle



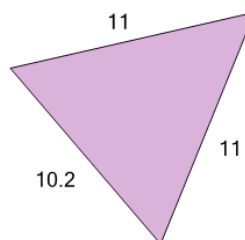
- a**  $\sqrt{15(15 + 7)(15 + 12)(15 + 11)}$
- b**  $15(15 - 7)(15 - 12)(15 - 11)$
- c**  $\sqrt{15(7 - 15)(12 - 15)(11 - 15)}$
- d**  $15(15 + 7)(15 + 12)(15 + 11)$
- e**  $\sqrt{15(15 - 7)(15 - 12)(15 - 11)}$

**1** Select the right formula for the area of the triangle



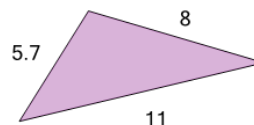
- a**  $9.2(9.2 - 7.4)(9.2 - 7)(9.2 - 4)$
- b**  $\sqrt{9.2(9.2 + 7.4)(9.2 + 7)(9.2 + 4)}$
- c**  $9.2(9.2 + 7.4)(9.2 + 7)(9.2 + 4)$
- d**  $\sqrt{9.2(7.4 - 9.2)(7 - 9.2)(4 - 9.2)}$
- e**  $\sqrt{9.2(9.2 - 7.4)(9.2 - 7)(9.2 - 4)}$

**3** Select the right formula for the area of the triangle



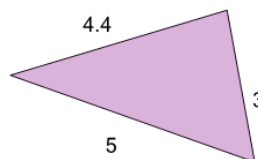
- a**  $16.1(16.1 + 10.2)(16.1 + 11)(16.1 + 11)$
- b**  $\sqrt{16.1(10.2 - 16.1)(11 - 16.1)(11 - 16.1)}$
- c**  $\sqrt{16.1(16.1 + 10.2)(16.1 + 11)(16.1 + 11)}$
- d**  $\sqrt{16.1(16.1 - 10.2)(16.1 - 11)(16.1 - 11)}$
- e**  $16.1(16.1 - 10.2)(16.1 - 11)(16.1 - 11)$

**5** Select the right formula for the area of the triangle



- a**  $12.4(12.4 + 5.7)(12.4 + 11)(12.4 + 8)$
- b**  $\sqrt{12.4(12.4 - 5.7)(12.4 - 11)(12.4 - 8)}$
- c**  $\sqrt{12.4(12.4 + 5.7)(12.4 + 11)(12.4 + 8)}$
- d**  $\sqrt{12.4(5.7 - 12.4)(11 - 12.4)(8 - 12.4)}$
- e**  $12.4(12.4 - 5.7)(12.4 - 11)(12.4 - 8)$

**7** Select the right formula for the area of the triangle



- a**  $\sqrt{6.2(4.4 - 6.2)(5 - 6.2)(3 - 6.2)}$
- b**  $\sqrt{6.2(6.2 + 4.4)(6.2 + 5)(6.2 + 3)}$
- c**  $6.2(6.2 + 4.4)(6.2 + 5)(6.2 + 3)$
- d**  $6.2(6.2 - 4.4)(6.2 - 5)(6.2 - 3)$
- e**  $\sqrt{6.2(6.2 - 4.4)(6.2 - 5)(6.2 - 3)}$