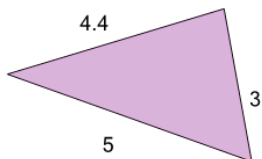




Math worksheet on 'Trigonometry - Heron's Formula - Setup (Level 1)'. Part of a broader unit on 'Trigonometry - Solving Triangles'

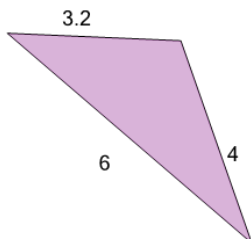
Learn online: app.mobius.academy/math/units/trigonometry_solving_triangles/

2 Select the right formula for the area of the triangle



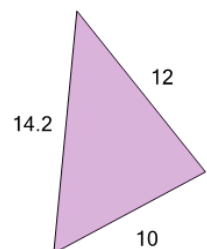
- a $\frac{\sqrt{6.2(6.2 + 4.4)(6.2 + 5)(6.2 + 3)}}{4}$
- b $\frac{6.2(6.2 + 4.4)(6.2 + 5)(6.2 + 3)}{4}$
- c $\frac{6.2(6.2 - 4.4)(6.2 - 5)(6.2 - 3)}{4}$
- d $\frac{\sqrt{6.2(4.4 - 6.2)(5 - 6.2)(3 - 6.2)}}{4}$
- e $\frac{\sqrt{6.2(6.2 - 4.4)(6.2 - 5)(6.2 - 3)}}{4}$

4 Select the right formula for the area of the triangle



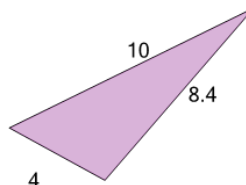
- a $\frac{6.6(6.6 + 3.2)(6.6 + 6)(6.6 + 4)}{4}$
- b $\frac{\sqrt{6.6(3.2 - 6.6)(6 - 6.6)(4 - 6.6)}}{4}$
- c $\frac{\sqrt{6.6(6.6 + 3.2)(6.6 + 6)(6.6 + 4)}}{4}$
- d $\frac{6.6(6.6 - 3.2)(6.6 - 6)(6.6 - 4)}{4}$
- e $\frac{\sqrt{6.6(6.6 - 3.2)(6.6 - 6)(6.6 - 4)}}{4}$

6 Select the right formula for the area of the triangle



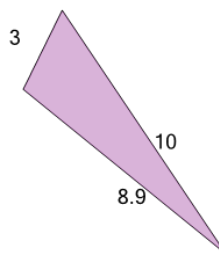
- a $\frac{18.1(18.1 + 14.2)(18.1 + 10)(18.1 + 12)}{4}$
- b $\frac{\sqrt{18.1(18.1 - 14.2)(18.1 - 10)(18.1 - 12)}}{4}$
- c $\frac{18.1(18.1 - 14.2)(18.1 - 10)(18.1 - 12)}{4}$
- d $\frac{\sqrt{18.1(18.1 + 14.2)(18.1 + 10)(18.1 + 12)}}{4}$
- e $\frac{\sqrt{18.1(14.2 - 18.1)(10 - 18.1)(12 - 18.1)}}{4}$

1 Select the right formula for the area of the triangle



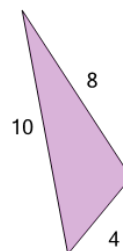
- a $\frac{11.2(11.2 - 8.4)(11.2 - 10)(11.2 - 4)}{4}$
- b $\frac{\sqrt{11.2(8.4 - 11.2)(10 - 11.2)(4 - 11.2)}}{4}$
- c $\frac{11.2(11.2 + 8.4)(11.2 + 10)(11.2 + 4)}{4}$
- d $\frac{\sqrt{11.2(11.2 - 8.4)(11.2 - 10)(11.2 - 4)}}{4}$
- e $\frac{\sqrt{11.2(11.2 + 8.4)(11.2 + 10)(11.2 + 4)}}{4}$

3 Select the right formula for the area of the triangle



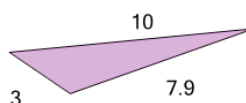
- a $\frac{11(11 - 8.9)(11 - 10)(11 - 3)}{4}$
- b $\frac{11(11 + 8.9)(11 + 10)(11 + 3)}{4}$
- c $\frac{\sqrt{11(8.9 - 11)(10 - 11)(3 - 11)}}{4}$
- d $\frac{\sqrt{11(11 - 8.9)(11 - 10)(11 - 3)}}{4}$
- e $\frac{\sqrt{11(11 + 8.9)(11 + 10)(11 + 3)}}{4}$

5 Select the right formula for the area of the triangle



- a $\frac{\sqrt{11(8 - 11)(10 - 11)(4 - 11)}}{4}$
- b $\frac{\sqrt{11(11 - 8)(11 - 10)(11 - 4)}}{4}$
- c $\frac{11(11 - 8)(11 - 10)(11 - 4)}{4}$
- d $\frac{\sqrt{11(11 + 8)(11 + 10)(11 + 4)}}{4}$
- e $\frac{11(11 + 8)(11 + 10)(11 + 4)}{4}$

7 Select the right formula for the area of the triangle



- a $\frac{\sqrt{10.5(10.5 - 7.9)(10.5 - 10)(10.5 - 3)}}{4}$
- b $\frac{\sqrt{10.5(10.5 + 7.9)(10.5 + 10)(10.5 + 3)}}{4}$
- c $\frac{10.5(10.5 - 7.9)(10.5 - 10)(10.5 - 3)}{4}$
- d $\frac{\sqrt{10.5(7.9 - 10.5)(10 - 10.5)(3 - 10.5)}}{4}$
- e $\frac{10.5(10.5 + 7.9)(10.5 + 10)(10.5 + 3)}{4}$