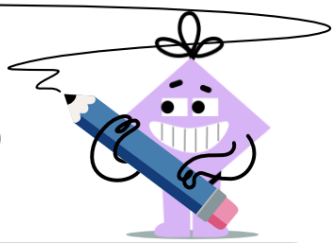
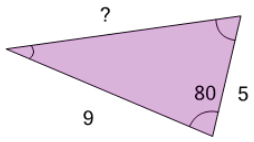
Name

Trigonometry - Rule of Cosines - Setup



1 Select the right formula to calculate the side length indicated



A $\sqrt{9^2 + 160^2 - 2 \cdot 9 \cdot 160 \cdot cos(80)}$

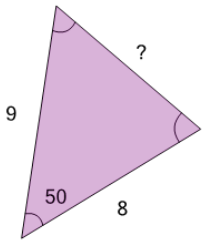
B $\sqrt{9^2 + 5^2 - 2 \cdot 9 \cdot 5 \cdot cos(9)}$

C $\sqrt{9^2 + 80^2 - 2 \cdot 9 \cdot 80 \cdot cos(5)}$

D $\sqrt{9^2 + 5^2 - 2 \cdot 9 \cdot 5 \cdot cos(80)}$

E $\sqrt{9^2 + 9^2 - 2 \cdot 9 \cdot 9 \cdot cos(5)}$

2 Select the right formula to calculate the side length indicated



A $\sqrt{9^2 + 50^2 - 2 \cdot 9 \cdot 50 \cdot cos(8)}$

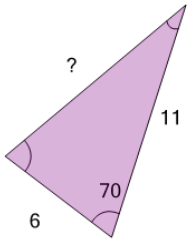
B $\sqrt{9^2 + 8^2 - 2 \cdot 9 \cdot 8 \cdot cos(9)}$

C $\sqrt{9^2 + 100^2 - 2 \cdot 9 \cdot 100 \cdot cos(50)}$

D $\sqrt{9^2 + 9^2 - 2 \cdot 9 \cdot 9 \cdot cos(8)}$

E $\sqrt{9^2 + 8^2 - 2 \cdot 9 \cdot 8 \cdot cos(50)}$

3 Select the right formula to calculate the side length indicated



A $\sqrt{6^2 + 70^2 - 2 \cdot 6 \cdot 70 \cdot cos(11)}$

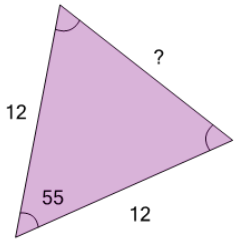
B $\sqrt{6^2 + 11^2 - 2 \cdot 6 \cdot 11 \cdot cos(70)}$

C $\sqrt{6^2 + 6^2 - 2 \cdot 6 \cdot 6 \cdot cos(11)}$

D $\sqrt{6^2 + 140^2 - 2 \cdot 6 \cdot 140 \cdot cos(70)}$

E $\sqrt{6^2 + 11^2 - 2 \cdot 6 \cdot 11 \cdot cos(6)}$

4 Select the right formula to calculate the side length indicated



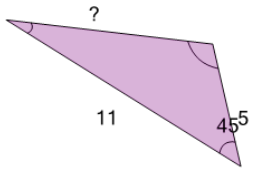
A $\sqrt{12^2 + 12^2 - 2 \cdot 12 \cdot 12 \cdot cos(55)}$

B $\sqrt{12^2 + 12^2 - 2 \cdot 12 \cdot 12 \cdot cos(12)}$

C $\sqrt{12^2 + 110^2 - 2 \cdot 12 \cdot 110 \cdot cos(55)}$

D $\sqrt{12^2 + 55^2 - 2 \cdot 12 \cdot 55 \cdot cos(12)}$

5 Select the right formula to calculate the side length indicated



A $\sqrt{11^2 + 45^2 - 2 \cdot 11 \cdot 45 \cdot cos(5)}$

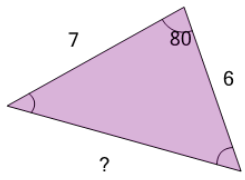
B $\sqrt{11^2 + 11^2 - 2 \cdot 11 \cdot 11 \cdot cos(5)}$

C $\sqrt{11^2 + 5^2 - 2 \cdot 11 \cdot 5 \cdot cos(11)}$

D $\sqrt{11^2 + 90^2 - 2 \cdot 11 \cdot 90 \cdot cos(45)}$

E $\sqrt{11^2 + 5^2 - 2 \cdot 11 \cdot 5 \cdot cos(45)}$

6 Select the right formula to calculate the side length indicated



A $\sqrt{6^2 + 160^2 - 2 \cdot 6 \cdot 160 \cdot cos(80)}$

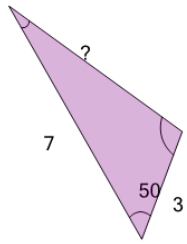
B $\sqrt{6^2 + 7^2 - 2 \cdot 6 \cdot 7 \cdot cos(80)}$

C $\sqrt{6^2 + 80^2 - 2 \cdot 6 \cdot 80 \cdot cos(7)}$

D $\sqrt{6^2 + 7^2 - 2 \cdot 6 \cdot 7 \cdot cos(6)}$

E $\sqrt{6^2 + 6^2 - 2 \cdot 6 \cdot 6 \cdot cos(7)}$

7 Select the right formula to calculate the side length indicated



A $\sqrt{7^2 + 50^2 - 2 \cdot 7 \cdot 50 \cdot cos(3)}$

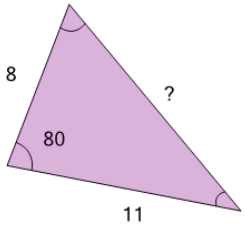
B $\sqrt{7^2 + 100^2 - 2 \cdot 7 \cdot 100 \cdot cos(50)}$

C $\sqrt{7^2 + 3^2 - 2 \cdot 7 \cdot 3 \cdot cos(50)}$

D $\sqrt{7^2 + 3^2 - 2 \cdot 7 \cdot 3 \cdot cos(7)}$

E $\sqrt{7^2 + 7^2 - 2 \cdot 7 \cdot 7 \cdot cos(3)}$

8 Select the right formula to calculate the side length indicated



A $\sqrt{8^2 + 11^2 - 2 \cdot 8 \cdot 11 \cdot cos(8)}$

B $\sqrt{8^2 + 11^2 - 2 \cdot 8 \cdot 11 \cdot cos(80)}$

C $\sqrt{8^2 + 160^2 - 2 \cdot 8 \cdot 160 \cdot cos(80)}$

D $\sqrt{8^2 + 80^2 - 2 \cdot 8 \cdot 80 \cdot cos(11)}$

E $\sqrt{8^2 + 8^2 - 2 \cdot 8 \cdot 8 \cdot cos(11)}$