

$$1. \quad 5^2 = 6^2 + 3^2 - 36 \cdot \cos \alpha$$

$$2. \quad \sin \alpha = \frac{2}{7}$$

$$3. \quad x = \sqrt{4^2 + 2^2}$$

$$4. \quad \frac{6}{\sin 41} = \frac{4}{\sin \beta}$$

$$5. \quad 9^2 = 4^2 + 7^2 - 2 \cdot 4 \cdot 7 \cdot \cos \gamma$$

$$6. \quad \frac{5}{\sin 41} = \frac{4}{\sin \beta} \text{ en } \gamma = 180^\circ - 41^\circ - \beta$$

$$7. \quad 90^\circ \text{ want } 9 + 25 = 34$$

$$8. \quad \sin \alpha = \frac{3}{5}$$

$$9. \quad \frac{8}{\sin 47} = \frac{x}{\sin 50}$$

$$10. \quad x^2 = 25 + 4 - 20 \cdot \cos 102$$

$$11. \quad \frac{4}{\sin 20} = \frac{6}{\sin \alpha} \text{ en } \beta = 180^\circ - 20^\circ - \alpha$$

$$12. \quad \sin \frac{1}{2} \alpha = \frac{2}{6}$$

$$13. \quad 169 = 100 + x^2 - 20 \cdot x \cdot \cos 62$$

$$14. \quad \sin \alpha = \frac{8}{10}$$

$$15. \quad \cos \alpha = \frac{1,5}{4}$$

$$16. \quad 25 = 9 + x^2 - 6 \cdot x \cdot \cos 32$$

$$17. \quad 16 = 9 + 4 - 12 \cdot \cos \alpha$$

$$18. \quad \sin 50 = \frac{0,5 \cdot x}{6}$$

$$21. \quad \cos \gamma = \frac{3}{7}$$

$$22. \quad \frac{8}{\sin 41} = \frac{7}{\sin \beta}$$

$$23. \quad \alpha = 90^\circ$$

$$24. \quad \frac{10}{\sin 52} = \frac{7}{\sin \beta}$$

$$19 \quad 81 = 9 + x^2 - 6 \cdot x \cdot \cos 50$$

$$20 \quad 25 = 36 + 49 - 84 \cdot \cos \gamma$$