

Solving Equations for Right Triangle Trig

Name: _____ Block: ____

1. $4^2 + 6^2 = c^2$

2. $7^2 + b^2 = 10^2$

3. $a^2 + 2^2 = 5^2$

4. $\sin \theta = \frac{14}{22}$

5. $\tan \theta = \frac{12}{9}$

6. $\tan \theta = \frac{10}{13}$

7. $\tan \theta = \frac{3}{2}$

8. $\sin \theta = \frac{6}{12}$

9. $\tan \theta = \frac{16}{47}$

10. $\cos 52^\circ = \frac{x}{21}$

11. $\tan 51^\circ = \frac{8}{x}$

12. $\sin 75^\circ = \frac{x}{7}$

13. $\sin 66^\circ = \frac{x}{3}$

14. $\sin 24 = \frac{3.7}{x}$

15. $\tan 71^\circ = \frac{14}{x}$

16. $\sin 33^\circ = \frac{14}{x}$

17. $\cos 36 = \frac{x}{2}$